

Table 1.23  
Age-Adjusted SEER Incidence Rates and Trends for the Top 15 Cancer Sites<sup>a</sup> by Race/Ethnicity  
Both Sexes

All Races			White			Black		
	Rate <sup>b</sup>	APC <sup>c</sup>		Rate <sup>b</sup>	APC <sup>c</sup>		Rate <sup>b</sup>	APC <sup>c</sup>
	2003-2007	1998-2007		2003-2007	1998-2007		2003-2007	1998-2007
All Sites	461.6	-0.9*	All Sites	469.2	-0.9*	All Sites	489.8	-1.4*
Prostate <sup>f</sup>	69.9	-1.2*	Breast	67.9	-2.2*	Prostate <sup>f</sup>	97.8	-2.8*
Breast	66.5	-1.9*	Prostate <sup>f</sup>	67.6	-1.3*	Lung and Bronchus	73.5	-2.2*
Lung and Bronchus	62.5	-1.5*	Lung and Bronchus	63.8	-1.5*	Breast	67.8	-0.4
Colon and Rectum	47.9	-2.6*	Colon and Rectum	47.4	-2.8*	Colon and Rectum	58.9	-1.8*
Urinary Bladder	21.1	-0.4*	Melanoma of the Skin	23.5	2.0*	Pancreas	15.5	0.3
Melanoma of the Skin	20.1	1.6*	Urinary Bladder	22.8	-0.4*	Kidney and Renal Pelvis	15.4	2.1*
Non-Hodgkin Lymphoma	19.6	0.1	Non-Hodgkin Lymphoma	20.5	0.2	Non-Hodgkin Lymphoma	14.7	0.4
Kidney and Renal Pelvis	14.1	2.4*	Kidney and Renal Pelvis	14.5	2.4*	Urinary Bladder	12.8	0.0
Corpus and Uterus, NOS <sup>f</sup>	12.6	-0.7*	Corpus and Uterus, NOS <sup>f</sup>	13.0	-1.0*	Stomach	11.9	-2.6*
Leukemia	12.3	-0.8*	Leukemia	12.9	-0.7*	Corpus and Uterus, NOS <sup>f</sup>	11.8	1.7
Pancreas	11.7	0.7*	Pancreas	11.6	0.8*	Myeloma	11.7	-0.3
Oral Cavity and Pharynx	10.4	-1.1*	Thyroid	10.7	6.3*	Oral Cavity and Pharynx	10.2	-3.1*
Thyroid	10.2	6.1*	Oral Cavity and Pharynx	10.5	-0.8*	Leukemia	9.8	-1.0
Stomach	7.8	-1.7*	Ovary <sup>fh</sup>	7.3	-2.0*	Liver & IBD <sup>g</sup>	8.6	3.6*
Ovary <sup>fh</sup>	7.0	-1.8*	Brain and ONS <sup>g</sup>	7.1	-0.6	Thyroid	6.2	6.7*

Asian/Pacific Islander			American Indian/Alaska Native <sup>d</sup>			Hispanic <sup>e</sup>		
	Rate <sup>b</sup>	APC <sup>c</sup>		Rate <sup>b</sup>	APC <sup>c</sup>		Rate <sup>b</sup>	APC <sup>c</sup>
	2003-2007	1998-2007		2003-2007	1998-2007		2003-2007	1998-2007
All Sites	310.8	-0.7*	All Sites	317.7	-0.6	All Sites	342.5	-1.3*
Breast	49.1	-0.4	Lung and Bronchus	45.3	0.8	Prostate <sup>f</sup>	55.2	-2.2*
Colon and Rectum	39.2	-2.1*	Colon and Rectum	42.1	-1.7	Breast	46.0	-1.5*
Prostate <sup>f</sup>	39.0	-1.2	Breast	41.4	0.3	Colon and Rectum	37.3	-1.7*
Lung and Bronchus	38.7	-1.0*	Prostate <sup>f</sup>	34.4	-0.7	Lung and Bronchus	32.1	-2.3*
Liver & IBD <sup>g</sup>	14.4	0.6	Kidney and Renal Pelvis	17.4	3.8*	Non-Hodgkin Lymphoma	16.5	-0.2
Stomach	13.2	-3.1*	Non-Hodgkin Lymphoma	11.4	-0.4	Kidney and Renal Pelvis	13.3	1.8*
Non-Hodgkin Lymphoma	12.9	-1.0	Stomach	10.9	-3.7	Stomach	11.6	-2.0*
Thyroid	10.1	4.4*	Liver & IBD <sup>g</sup>	10.6	0.8	Urinary Bladder	11.0	-0.5
Corpus and Uterus, NOS <sup>f</sup>	9.4	1.0	Pancreas	10.3	1.1	Pancreas	10.5	0.5
Urinary Bladder	9.1	-0.2	Corpus and Uterus, NOS <sup>f</sup>	9.0	0.4	Liver & IBD <sup>g</sup>	10.5	1.7*
Pancreas	9.1	0.6	Urinary Bladder	7.7	-	Leukemia	9.5	-0.6
Oral Cavity and Pharynx	7.6	-1.3	Oral Cavity and Pharynx	7.3	-5.2	Corpus and Uterus, NOS <sup>f</sup>	9.4	0.2
Kidney and Renal Pelvis	7.3	3.6*	Leukemia	6.5	-2.3	Thyroid	8.4	5.1*
Leukemia	7.2	-1.5*	Ovary <sup>fh</sup>	5.9	-1.3	Cervix Uteri <sup>f</sup>	6.1	-5.1*
Ovary <sup>fh</sup>	5.3	-0.2	Thyroid	5.8	-1.6	Ovary <sup>fh</sup>	5.9	-1.8

- <sup>a</sup> Top 15 cancer sites selected based on 2003-2007 age-adjusted rates for the race/ethnic group.
- <sup>b</sup> Incidence data used in calculating the rates are from the 17 SEER areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey).
- <sup>c</sup> Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).  
The APC is the Annual Percent Change over the time interval. Incidence data used in calculating the trends are from the 13 SEER areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry and Rural Georgia).
- <sup>d</sup> Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).  
Rates for American Indian/Alaska Native are based on the CHSDA (Contract Health Service Delivery Area) counties.
- <sup>e</sup> Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives.
- <sup>f</sup> Incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry.
- <sup>g</sup> The rates for sex-specific cancer sites are calculated using the population for both sexes combined.
- <sup>h</sup> IBD = Intrahepatic Bile Duct. ONS = Other Nervous System.
- <sup>\*</sup> Ovary excludes borderline cases or histologies 8442, 8451, 8462, 8472, and 8473.
- <sup>-</sup> The APC is significantly different from zero (p<.05).  
Statistic not shown. Rate based on less than 16 cases for the time interval. Trend based on less than 10 cases for at least one year within the time interval.

Table 1.24  
Age-Adjusted SEER Incidence Rates and Trends for the Top 15 Cancer Sites<sup>a</sup> by Race/Ethnicity

All Races			White			Black		
	Rate <sup>b</sup>	APC <sup>c</sup>		Rate <sup>b</sup>	APC <sup>c</sup>		Rate <sup>b</sup>	APC <sup>c</sup>
	2003-2007	1998-2007		2003-2007	1998-2007		2003-2007	1998-2007
All Sites	538.9	-1.2*	All Sites	541.5	-1.1*	All Sites	624.0	-2.4*
Prostate	156.9	-1.7*	Prostate	150.4	-1.8*	Prostate	234.6	-3.1*
Lung and Bronchus	76.2	-2.4*	Lung and Bronchus	76.3	-2.4*	Lung and Bronchus	101.2	-3.4*
Colon and Rectum	55.8	-3.0*	Colon and Rectum	55.4	-3.2*	Colon and Rectum	68.1	-2.3*
Urinary Bladder	37.2	-0.5*	Urinary Bladder	40.4	-0.5*	Kidney and Renal Pelvis	21.8	1.9
Melanoma of the Skin	25.6	1.7*	Melanoma of the Skin	29.7	2.0*	Urinary Bladder	20.7	-0.4
Non-Hodgkin Lymphoma	23.6	0.1	Non-Hodgkin Lymphoma	24.6	0.2	Non-Hodgkin Lymphoma	17.8	0.3
Kidney and Renal Pelvis	19.2	2.0*	Kidney and Renal Pelvis	19.7	2.0*	Stomach	16.7	-2.1*
Leukemia	15.8	-1.2*	Leukemia	16.6	-1.0*	Pancreas	16.7	-0.7
Oral Cavity and Pharynx	15.4	-1.3*	Oral Cavity and Pharynx	15.7	-0.9*	Oral Cavity and Pharynx	16.1	-4.1*
Pancreas	13.3	0.5	Pancreas	13.2	0.6*	Myeloma	14.3	-0.1
Stomach	10.9	-1.9*	Stomach	9.6	-2.0*	Liver & IBD <sup>f</sup>	14.0	3.6*
Liver & IBD <sup>f</sup>	10.7	2.6*	Liver & IBD <sup>f</sup>	9.1	2.9*	Leukemia	12.7	-1.1
Esophagus	7.8	-0.9	Brain and ONS <sup>f</sup>	8.4	-0.5	Larynx	10.3	-3.2*
Brain and ONS <sup>f</sup>	7.6	-0.7*	Esophagus	8.0	-0.2	Esophagus	8.9	-4.5*
Myeloma	7.1	-0.4	Myeloma	6.7	-0.4	Brain and ONS <sup>f</sup>	4.7	-0.6

Asian/Pacific Islander			American Indian/Alaska Native <sup>d</sup>			Hispanic <sup>e</sup>		
	Rate <sup>b</sup>	APC <sup>c</sup>		Rate <sup>b</sup>	APC <sup>c</sup>		Rate <sup>b</sup>	APC <sup>c</sup>
	2003-2007	1998-2007		2003-2007	1998-2007		2003-2007	1998-2007
All Sites	346.5	-1.1*	All Sites	335.8	-1.5	All Sites	394.8	-1.8*
Prostate	90.0	-1.1	Prostate	77.7	-0.7	Prostate	125.8	-2.7*
Lung and Bronchus	52.9	-1.6*	Lung and Bronchus	52.7	-1.2	Colon and Rectum	44.5	-2.3*
Colon and Rectum	45.5	-2.5*	Colon and Rectum	43.4	-1.9	Lung and Bronchus	41.4	-2.8*
Liver & IBD <sup>f</sup>	21.7	0.4	Kidney and Renal Pelvis	21.2	1.6	Urinary Bladder	19.2	-1.1
Stomach	17.5	-2.6*	Stomach	15.5	-2.7	Non-Hodgkin Lymphoma	18.7	-0.5
Urinary Bladder	16.0	0.3	Liver & IBD <sup>f</sup>	14.6	-	Kidney and Renal Pelvis	17.5	1.5*
Non-Hodgkin Lymphoma	15.7	-1.0	Urinary Bladder	13.3	-	Liver & IBD <sup>f</sup>	15.6	2.2*
Oral Cavity and Pharynx	10.5	-1.5	Non-Hodgkin Lymphoma	12.5	-	Stomach	14.8	-2.7*
Pancreas	10.2	1.3	Pancreas	10.6	-	Leukemia	11.2	-0.7
Kidney and Renal Pelvis	10.2	3.1*	Oral Cavity and Pharynx	9.6	-	Pancreas	10.9	1.1
Leukemia	8.8	-2.3*	Leukemia	7.2	-	Oral Cavity and Pharynx	8.7	-2.2
Thyroid	4.4	2.9*	Esophagus	5.2	-	Myeloma	6.3	-0.5
Esophagus	4.1	-2.8*	Myeloma	4.8	-	Brain and ONS <sup>f</sup>	5.9	-0.7
Brain and ONS <sup>f</sup>	4.0	-1.9	Testis	4.3	-	Esophagus	5.1	-2.7
Myeloma	4.0	-1.0	Melanoma of the Skin	4.1	-	Larynx	4.6	-3.0*

- <sup>a</sup> Top 15 cancer sites selected based on 2003-2007 age-adjusted rates for the race/ethnic group.
- <sup>b</sup> Incidence data used in calculating the rates are from the 17 SEER areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey).
- <sup>c</sup> Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).  
The APC is the Annual Percent Change over the time interval. Incidence data used in calculating the trends are from the 13 SEER areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry and Rural Georgia).  
Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).
- <sup>d</sup> Rates for American Indian/Alaska Native are based on the CHSDA (Contract Health Service Delivery Area) counties.
- <sup>e</sup> Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives.
- <sup>f</sup> Incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry.
- <sup>f</sup> IBD = Intrahepatic Bile Duct. ONS = Other Nervous System.
- \* The APC is significantly different from zero (p<.05).
- Statistic not shown. Rate based on less than 16 cases for the time interval. Trend based on less than 10 cases for at least one year within the time interval.

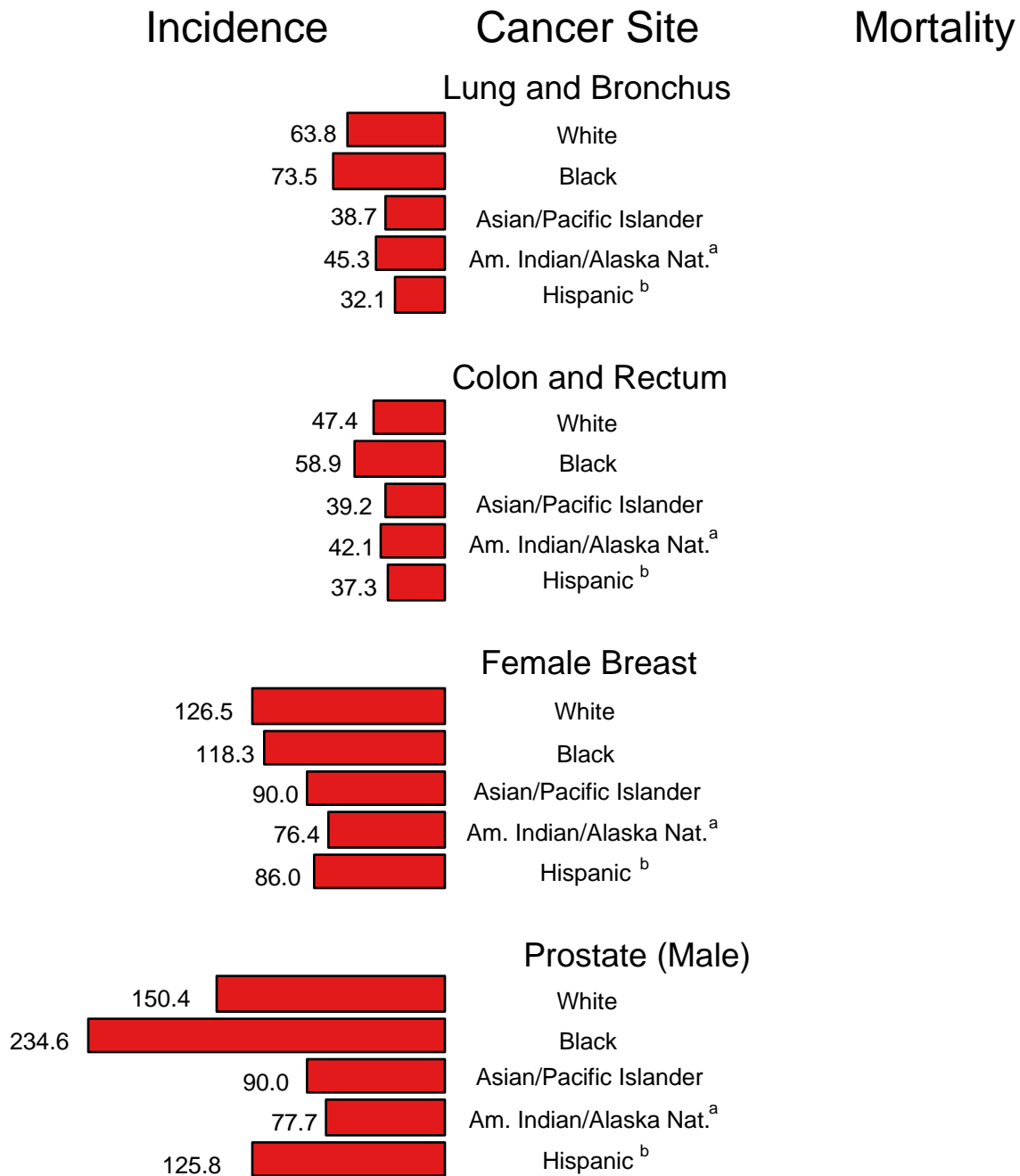
Table 1.25  
Age-Adjusted SEER Incidence Rates and Trends for the Top 15 Cancer Sites<sup>a</sup> by Race/Ethnicity

## Females

All Races			White			Black		
	Rate <sup>b</sup> 2003-2007	APC <sup>c</sup> 1998-2007		Rate <sup>b</sup> 2003-2007	APC <sup>c</sup> 1998-2007		Rate <sup>b</sup> 2003-2007	APC <sup>c</sup> 1998-2007
All Sites	408.0	-0.8*	All Sites	419.6	-0.9*	All Sites	399.1	-0.4
Breast	122.9	-1.7*	Breast	126.5	-2.0*	Breast	118.3	-0.3
Lung and Bronchus	52.4	-0.5*	Lung and Bronchus	54.7	-0.5*	Lung and Bronchus	54.8	-0.5
Colon and Rectum	41.7	-2.4*	Colon and Rectum	40.9	-2.6*	Colon and Rectum	52.6	-1.5*
Corpus and Uterus, NOS	23.5	-0.5*	Corpus and Uterus, NOS	24.4	-0.8*	Corpus and Uterus, NOS	20.6	1.7
Non-Hodgkin Lymphoma	16.5	0.2	Melanoma of the Skin	19.1	2.0*	Pancreas	14.4	1.2
Melanoma of the Skin	16.2	1.6*	Non-Hodgkin Lymphoma	17.2	0.3	Non-Hodgkin Lymphoma	12.3	0.6
Thyroid	15.2	6.5*	Thyroid	16.0	6.7*	Kidney and Renal Pelvis	10.7	2.2*
Ovary <sup>g</sup>	12.9	-1.6*	Ovary <sup>g</sup>	13.5	-1.8*	Ovary <sup>g</sup>	10.2	-0.2
Pancreas	10.5	0.9*	Pancreas	10.3	0.9*	Cervix Uteri	10.1	-5.1*
Kidney and Renal Pelvis	9.9	2.8*	Kidney and Renal Pelvis	10.2	2.8*	Myeloma	10.0	-0.6
Leukemia	9.6	-0.5	Leukemia	10.0	-0.5	Thyroid	8.9	7.2*
Urinary Bladder	9.2	-0.8*	Urinary Bladder	9.8	-0.8*	Stomach	8.6	-3.2*
Cervix Uteri	8.1	-3.2*	Cervix Uteri	7.9	-3.0*	Leukemia	7.8	-0.7
Oral Cavity and Pharynx	6.1	-1.1*	Oral Cavity and Pharynx	6.1	-1.2*	Urinary Bladder	7.6	0.5
Stomach	5.5	-1.7*	Brain and ONS <sup>f</sup>	6.0	-0.7	Oral Cavity and Pharynx	5.8	-1.2
Asian/Pacific Islander			American Indian/Alaska Native <sup>d</sup>			Hispanic <sup>e</sup>		
	Rate <sup>b</sup> 2003-2007	APC <sup>c</sup> 1998-2007		Rate <sup>b</sup> 2003-2007	APC <sup>c</sup> 1998-2007		Rate <sup>b</sup> 2003-2007	APC <sup>c</sup> 1998-2007
All Sites	288.9	-0.3	All Sites	306.3	0.2	All Sites	309.2	-0.9*
Breast	90.0	-0.4	Breast	76.4	0.2	Breast	86.0	-1.2*
Colon and Rectum	34.2	-1.8*	Colon and Rectum	40.4	-1.6	Colon and Rectum	31.6	-1.1*
Lung and Bronchus	28.1	0.1	Lung and Bronchus	39.7	3.4	Lung and Bronchus	25.4	-1.6*
Corpus and Uterus, NOS	17.3	1.1	Corpus and Uterus, NOS	16.8	0.5	Corpus and Uterus, NOS	17.6	0.6
Thyroid	15.2	4.9*	Kidney and Renal Pelvis	14.1	-	Non-Hodgkin Lymphoma	14.5	0.3
Non-Hodgkin Lymphoma	10.8	-0.9	Ovary <sup>g</sup>	10.9	-1.6	Thyroid	13.3	5.8*
Stomach	10.0	-3.4*	Non-Hodgkin Lymphoma	10.6	-	Cervix Uteri	12.0	-4.9*
Ovary <sup>g</sup>	9.8	-0.2	Pancreas	10.1	-	Ovary <sup>g</sup>	11.0	-1.5
Liver & IBD <sup>f</sup>	8.3	0.8	Thyroid	8.5	-2.6	Pancreas	10.1	0.0
Pancreas	8.3	-0.2	Cervix Uteri	7.7	1.0	Kidney and Renal Pelvis	10.0	2.1*
Cervix Uteri	7.5	-3.8*	Stomach	7.3	-	Stomach	9.1	-1.4*
Leukemia	6.0	-0.6	Liver & IBD <sup>f</sup>	6.9	-	Leukemia	8.0	-0.7
Oral Cavity and Pharynx	5.3	-1.1	Leukemia	5.9	-	Liver & IBD <sup>f</sup>	6.0	0.1
Kidney and Renal Pelvis	5.1	4.2*	Oral Cavity and Pharynx	5.2	-	Urinary Bladder	5.1	-0.1
Urinary Bladder	4.0	-1.3	Gallbladder	4.7	-	Melanoma of the Skin	4.7	-1.3

- <sup>a</sup> Top 15 cancer sites selected based on 2003-2007 age-adjusted rates for the race/ethnic group.
- <sup>b</sup> Incidence data used in calculating the rates are from the 17 SEER areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey).
- <sup>c</sup> Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).  
The APC is the Annual Percent Change over the time interval. Incidence data used in calculating the trends are from the 13 SEER areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry and Rural Georgia).
- <sup>d</sup> Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).
- <sup>e</sup> Rates for American Indian/Alaska Native are based on the CHSDA (Contract Health Service Delivery Area) counties.
- <sup>f</sup> Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives.
- <sup>g</sup> Incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry.
- <sup>f</sup> IBD = Intrahepatic Bile Duct. ONS = Other Nervous System.
- <sup>g</sup> Ovary excludes borderline cases or histologies 8442, 8451, 8462, 8472, and 8473.
- <sup>\*</sup> The APC is significantly different from zero (p<.05).
- Statistic not shown. Rate based on less than 16 cases for the time interval. Trend based on less than 10 cases for at least one year within the time interval.

# SEER Cancer Incidence and US Death Rates, 2003-2007 By Cancer Site and Race/Ethnicity



Source: SEER 17 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana, and New Jersey) and US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.

<sup>a</sup> Rates for American Indian/Alaska Native are based on the CHSDA (Contract Health Service Delivery Area) counties.

<sup>b</sup> Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry and Kentucky. Mortality Hispanics exclude cases from Minnesota, New Hampshire, and North Dakota.

# SEER Incidence 1998-2007

## Males by Race/Ethnicity

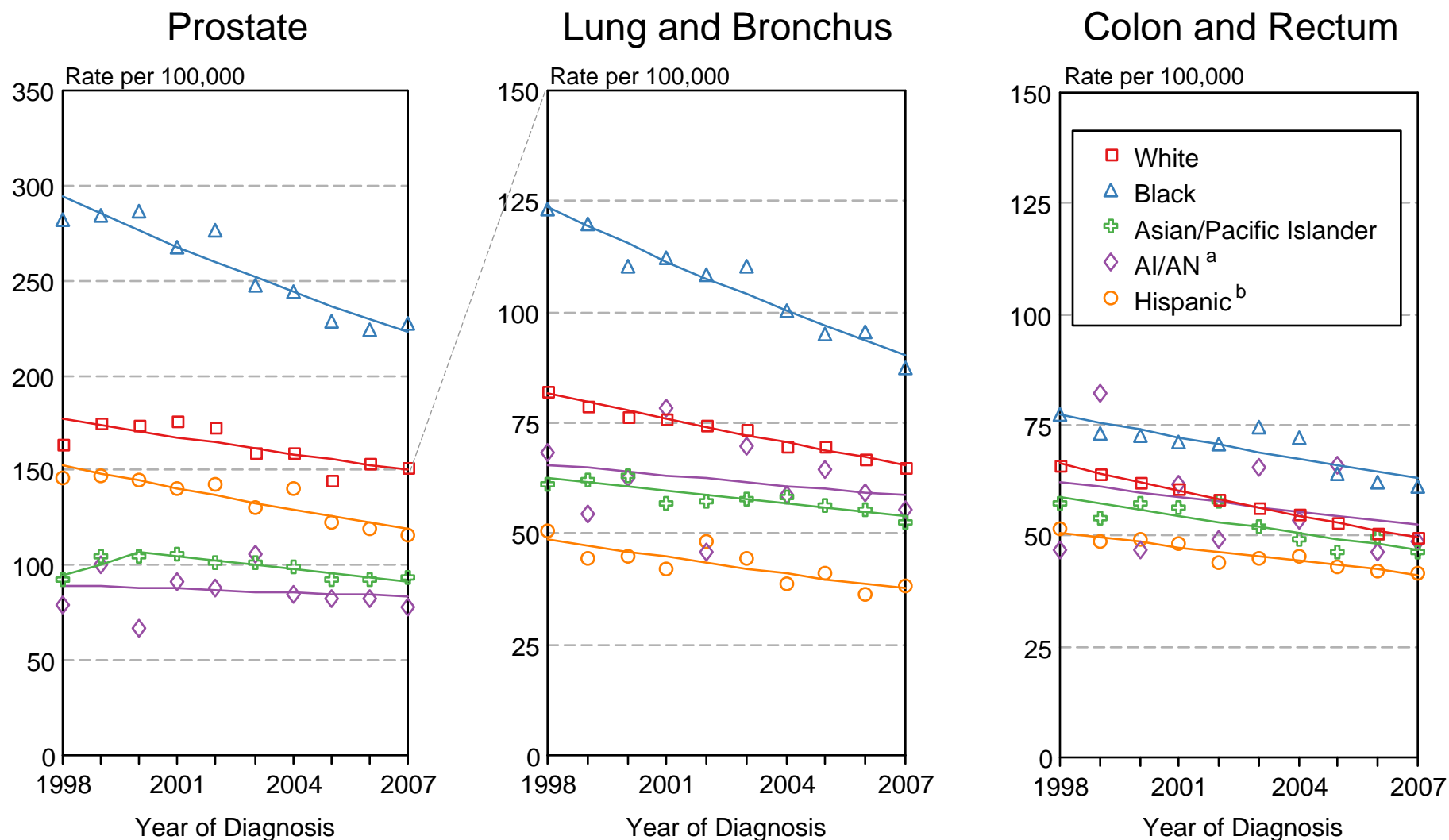


Figure 1.13

Source: SEER 13 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry and Rural Georgia). Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103). Regression lines are calculated using the Joinpoint Regression Program Version 3.4.3, April 2010, National Cancer Institute.

<sup>a</sup> Incidence rates for American Indian/Alaska Native (AI/AN) are based on the CHSDA (Contract Health Service Delivery Area) counties.

<sup>b</sup> Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry.

# SEER Incidence 1998-2007 Females by Race/Ethnicity

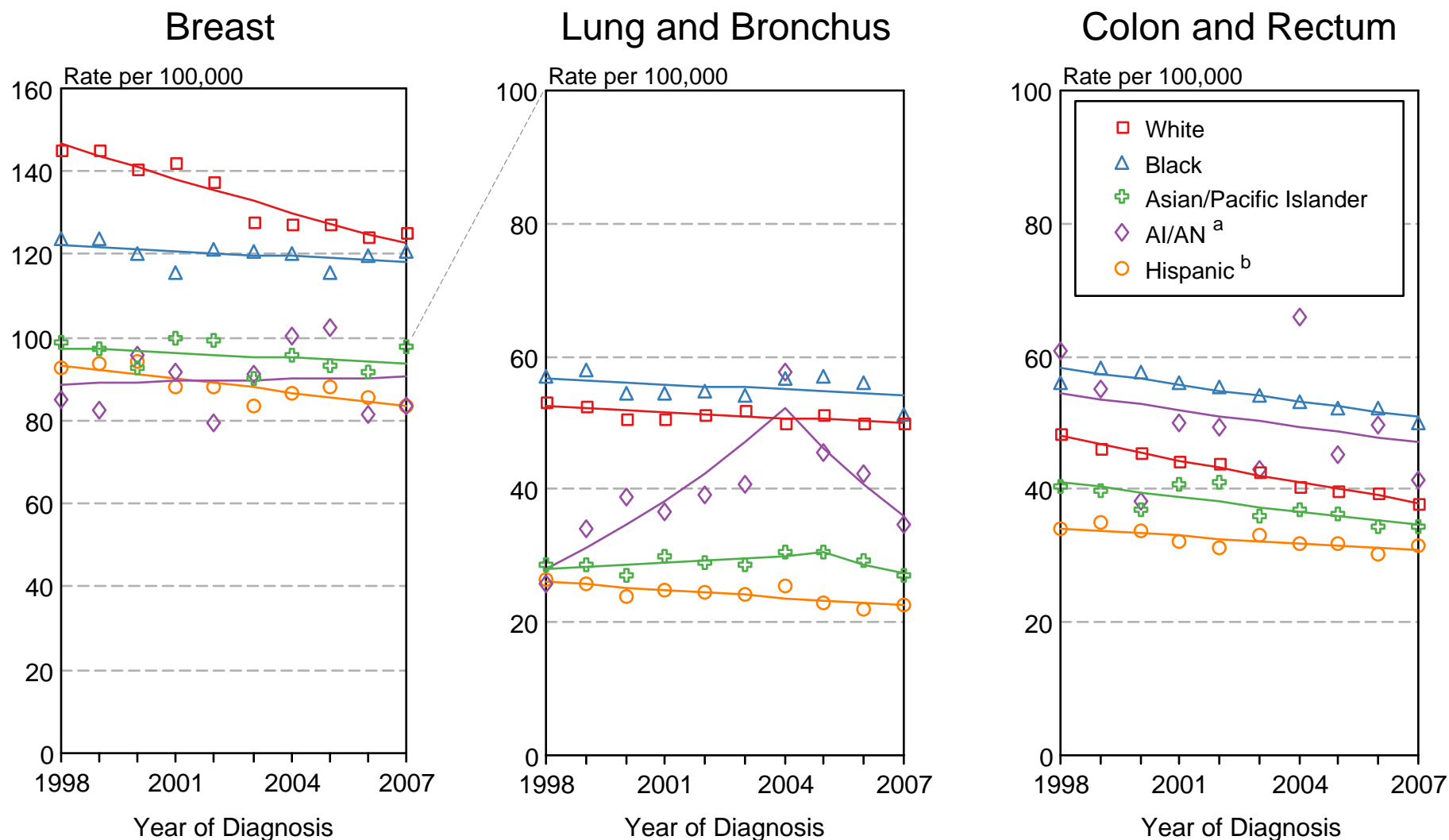


Figure 1.14

Source: SEER 13 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry and Rural Georgia). Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103). Regression lines are calculated using the Joinpoint Regression Program Version 3.4.3, April 2010, National Cancer Institute.

<sup>a</sup> Incidence rates for American Indian/Alaska Native (AI/AN) are based on the CHSDA (Contract Health Service Delivery Area) counties.

<sup>b</sup> Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry.

Table 2.15  
All Cancer Sites (Invasive)

SEER Incidence and U.S. Mortality  
Age-Adjusted Rates and Trends<sup>a</sup>  
By Race/Ethnicity and Sex

SEER Incidence	SEER 17 Areas <sup>b</sup>			SEER 13 Areas <sup>b</sup>			SEER 9 Areas <sup>b</sup>		
	Rate 2003-2007			Trend 1998-2007 <sup>c</sup>			Trend 1998-2007 <sup>d</sup>		
	Rate per 100,000 persons			AAPC (%)			AAPC (%)		
RACE/ETHNICITY	Total	Males	Females	Total	Males	Females	Total	Males	Females
All Races	461.6	538.9	408.0	-0.8*	-1.1*	-0.8*	-0.7*	-0.9*	-0.7*
White	469.2	541.5	419.6	-0.8*	-1.0*	-0.8*	-0.7*	-0.9*	-0.7*
White Hispanic <sup>e</sup>	347.8	399.6	315.1	-1.2*	-1.9*	-0.4*	-	-	-
White Non-Hispanic <sup>e</sup>	489.8	564.3	438.0	-0.6*	-0.8*	-0.6*	-	-	-
Black	489.8	624.0	399.1	-1.4*	-2.3*	-0.2	-1.0*	-1.8*	-0.1
Asian/Pacific Islander	310.8	346.5	288.9	-0.6*	-1.1*	0.0	-	-	-
Amer Ind/Alaska Nat <sup>f</sup>	317.7	335.8	306.3	-0.1	-1.0*	0.7*	-	-	-
Hispanic <sup>e</sup>	342.5	394.8	309.2	-1.1*	-1.7*	-0.7*	-	-	-

U.S. Mortality <sup>g</sup>	Rate 2003-2007			Trend 1998-2007 <sup>h</sup>		
	Rate per 100,000 persons			AAPC (%)		
	Total	Males	Females	Total	Males	Females

RACE/ETHNICITY

All Races

White

    White Hispanic<sup>e</sup>

    White Non-Hispanic<sup>e</sup>

Black

Asian/Pacific Islander

Amer Ind/Alaska Nat

    Total U.S.

    CHSDA Counties

    Non-CHSDA Counties

Hispanic<sup>e</sup>

- The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 3.4.3, April 2010, National Cancer Institute.
- Statistic not shown. Rate based on less than 16 cases for the time interval.
- a Trend based on less than 10 cases for at least one year within the time interval.
- a Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).
- b The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.
- b The SEER 13 areas comprise the SEER 9 areas plus San Jose-Monterey, Los Angeles, the Alaska Native Registry and Rural Georgia.
- b The SEER 17 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey.
- c The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 2 Joinpoints over diagnosis years 1992-2007.
- d The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 4 Joinpoints over diagnosis years 1975-2007.
- e Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The 2003-2007 Hispanic and Non-Hispanic death rates exclude deaths from the District of Columbia, Minnesota, New Hampshire and North Dakota. The 1998-2007 Hispanic and Non-Hispanic mortality trends exclude deaths from Connecticut, the District of Columbia, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma and Vermont.
- f Incidence data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
- g US Mortality Files, National Center for Health Statistics, CDC.
- h The 1998-2007 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2007.
- \* The APC is significantly different from zero (p<.05).

# SEER Incidence and US Death Rates<sup>a</sup>

## All Cancer Sites, Both Sexes

Joinpoint Analyses for Whites and Blacks from 1975-2007

and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2007

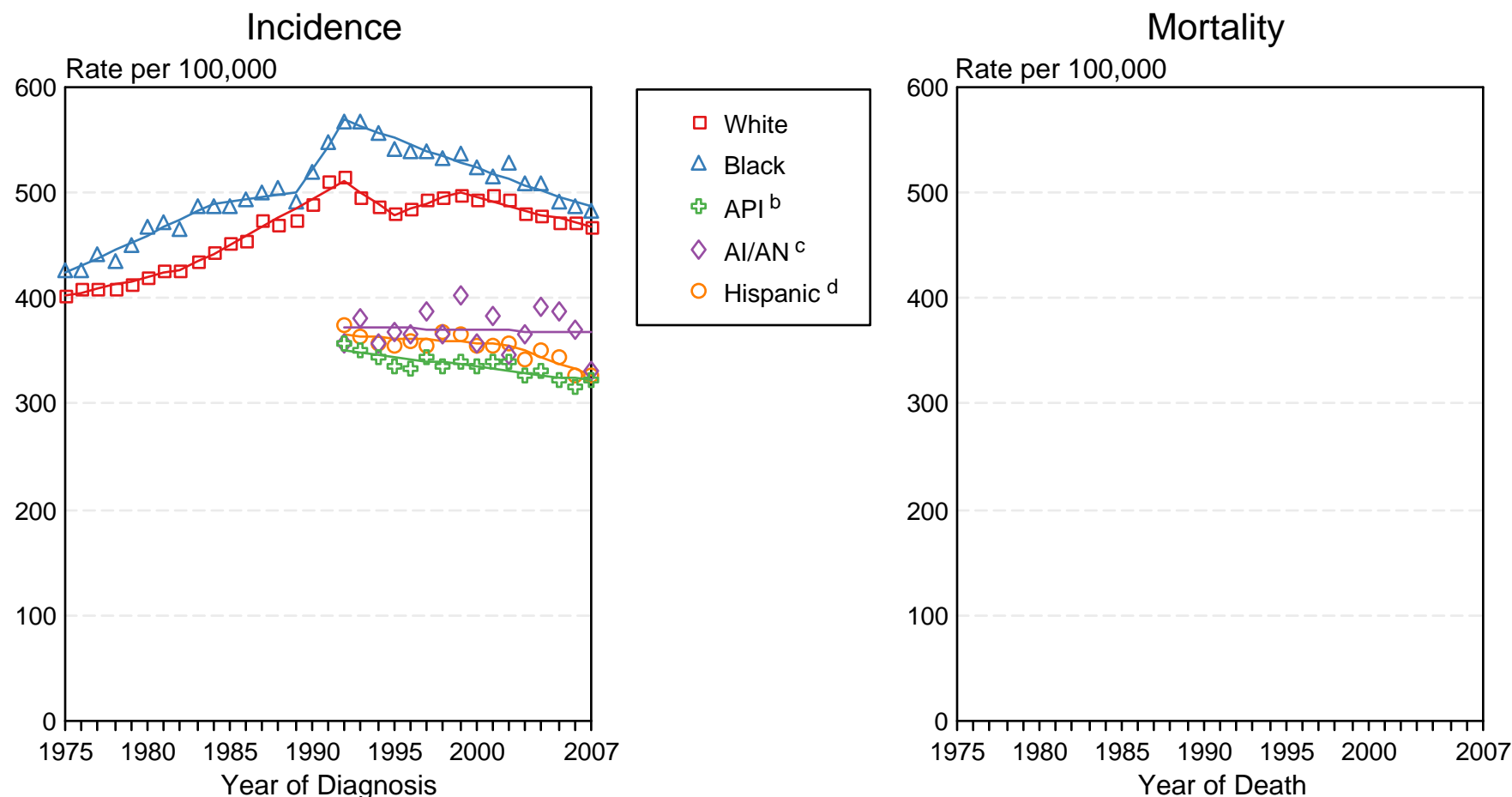


Figure 2.4

Source: Incidence data for whites and blacks are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta). Incidence data for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics are from the SEER 13 Areas (SEER 9 Areas, San Jose-Monterey, Los Angeles, Alaska Native Registry and Rural Georgia). Mortality data are from US Mortality Files, National Center for Health Statistics, CDC.

<sup>a</sup> Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).

Regression lines are calculated using the Joinpoint Regression Program Version 3.4.3, April 2010, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2007 period allow a maximum of 4 joinpoints. Analyses for other ethnic groups during the period 1992-2007 allow a maximum of 2 joinpoints.

<sup>b</sup> API = Asian/Pacific Islander.

<sup>c</sup> AI/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the CHSDA (Contract Health Service Delivery Area) counties.

<sup>d</sup> Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. Mortality data for Hispanics exclude cases from Connecticut, the District of Columbia, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma, and Vermont.

Table 3.15  
Cancer of the Brain And Other Nervous System (Invasive)

SEER Incidence and U.S. Mortality  
Age-Adjusted Rates and Trends<sup>a</sup>  
By Race/Ethnicity and Sex

SEER Incidence	SEER 17 Areas <sup>b</sup>			SEER 13 Areas <sup>b</sup>			SEER 9 Areas <sup>b</sup>		
	Rate 2003-2007			Trend 1998-2007 <sup>c</sup>			Trend 1998-2007 <sup>d</sup>		
	Rate per 100,000 persons			AAPC (%)			AAPC (%)		
RACE/ETHNICITY	Total	Males	Females	Total	Males	Females	Total	Males	Females
All Races	6.5	7.6	5.5	-0.4*	-0.6*	-0.2	-0.4*	-0.7*	-0.3
White	7.1	8.4	6.0	-0.2	-0.4*	-0.1	-0.2	-0.5*	-0.7
White Hispanic <sup>e</sup>	5.4	6.1	4.8	-0.1	0.2	-0.5	-	-	-
White Non-Hispanic <sup>e</sup>	7.6	9.0	6.3	-0.1	-0.3	0.1	-	-	-
Black	4.0	4.7	3.5	-0.1	-0.4	0.2	0.2	-0.1	0.7*
Asian/Pacific Islander	3.5	4.0	3.2	-0.7	-1.1*	-0.2	-	-	-
Amer Ind/Alaska Nat <sup>f</sup>	3.5	3.7	3.4	-	-	-	-	-	-
Hispanic <sup>e</sup>	5.2	5.9	4.6	0.1	0.4	-0.4	-	-	-

U.S. Mortality <sup>g</sup>	Rate 2003-2007			Trend 1998-2007 <sup>h</sup>		
	Rate per 100,000 persons			AAPC (%)		
	Total	Males	Females	Total	Males	Females
RACE/ETHNICITY						
All Races						
White						
White Hispanic <sup>e</sup>						
White Non-Hispanic <sup>e</sup>						
Black						
Asian/Pacific Islander						
Amer Ind/Alaska Nat						
Total U.S.						
CHSDA Counties						
Non-CHSDA Counties						
Hispanic <sup>e</sup>						

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 3.4.3, April 2010, National Cancer Institute.

- Statistic not shown. Rate based on less than 16 cases for the time interval.

Trend based on less than 10 cases for at least one year within the time interval.

<sup>a</sup> Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

<sup>b</sup> The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 13 areas comprise the SEER 9 areas plus San Jose-Monterey, Los Angeles, the Alaska Native Registry and Rural Georgia.

The SEER 17 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey.

<sup>c</sup> The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 2 Joinpoints over diagnosis years 1992-2007.

<sup>d</sup> The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 4 Joinpoints over diagnosis years 1975-2007.

<sup>e</sup> Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The 2003-2007 Hispanic and Non-Hispanic death rates exclude deaths from the District of Columbia, Minnesota, New Hampshire and North Dakota. The 1998-2007 Hispanic and Non-Hispanic mortality trends exclude deaths from Connecticut, the District of Columbia, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma and Vermont.

<sup>f</sup> Incidence data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

<sup>g</sup> US Mortality Files, National Center for Health Statistics, CDC.

<sup>h</sup> The 1998-2007 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2007.

\* The APC is significantly different from zero (p<.05).

# SEER Incidence and US Death Rates<sup>a</sup>

## Cancer of the Brain and Other Nervous System, Both Sexes

### Joinpoint Analyses for Whites and Blacks from 1975-2007

### and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2007

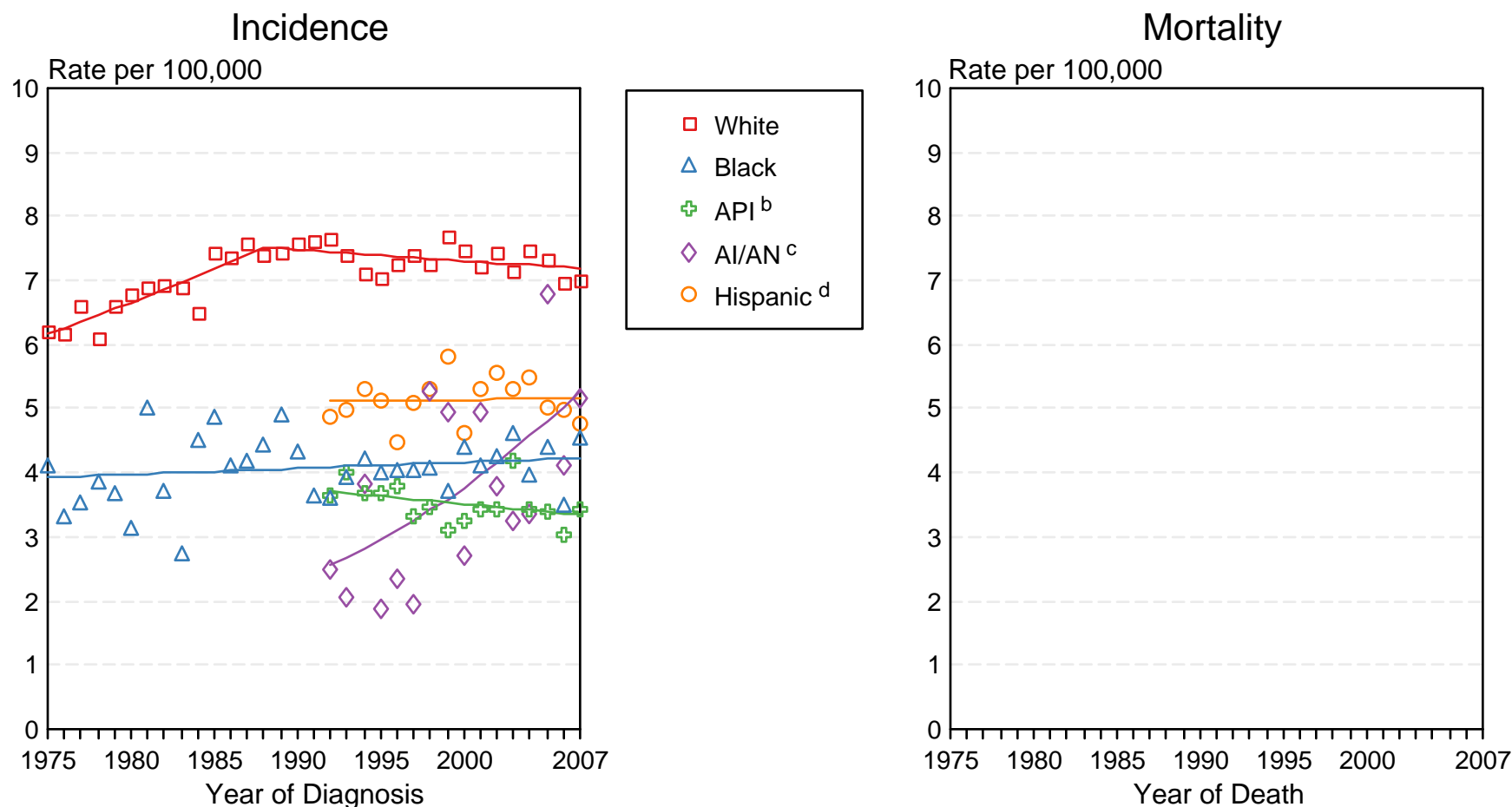


Figure 3.2

Source: Incidence data for whites and blacks are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta). Incidence data for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics are from the SEER 13 Areas (SEER 9 Areas, San Jose-Monterey, Los Angeles, Alaska Native Registry and Rural Georgia). Mortality data are from US Mortality Files, National Center for Health Statistics, CDC.

<sup>a</sup> Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).

Regression lines are calculated using the Joinpoint Regression Program Version 3.4.3, April 2010, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2007 period allow a maximum of 4 joinpoints. Analyses for other ethnic groups during the period 1992-2007 allow a maximum of 2 joinpoints.

<sup>b</sup> API = Asian/Pacific Islander.

<sup>c</sup> AI/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the CHSDA (Contract Health Service Delivery Area) counties.

<sup>d</sup> Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. Mortality data for Hispanics exclude cases from Connecticut, the District of Columbia, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma, and Vermont.

Table 4.19  
Cancer of the Female Breast (Invasive)

SEER Incidence and U.S. Mortality  
Age-Adjusted Rates and Trends<sup>a</sup>  
By Race/Ethnicity

SEER Incidence	SEER 17 Areas <sup>b</sup>	SEER 13 Areas <sup>b</sup>	SEER 9 Areas <sup>b</sup>
	Rate 2003-2007	Trend 1998-2007 <sup>c</sup>	Trend 1998-2007 <sup>d</sup>
	Rate per 100,000 persons	AAPC (%)	AAPC (%)
RACE/ETHNICITY	Females	Females	Females
All Races	122.9	-1.5*	-1.7*
White	126.5	-1.7*	-1.6*
White Hispanic <sup>e</sup>	87.7	-1.1*	-
White Non-Hispanic <sup>e</sup>	133.2	-1.6*	-
Black	118.3	-0.2	-0.3
Asian/Pacific Islander	90.0	-0.4	-
Amer Ind/Alaska Nat <sup>f</sup>	76.4	-0.5	-
Hispanic <sup>e</sup>	86.0	-1.0*	-

U.S. Mortality <sup>g</sup>	Rate 2003-2007	Trend 1998-2007 <sup>h</sup>
	Rate per 100,000 persons	AAPC (%)
	Females	Females
RACE/ETHNICITY		
All Races		
White		
White Hispanic <sup>e</sup>		
White Non-Hispanic <sup>e</sup>		
Black		
Asian/Pacific Islander		
Amer Ind/Alaska Nat		
Total U.S.		
CHSDA Counties		
Non-CHSDA Counties		
Hispanic <sup>e</sup>		

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 3.4.3, April 2010, National Cancer Institute.

- Statistic not shown. Rate based on less than 16 cases for the time interval.

Trend based on less than 10 cases for at least one year within the time interval.

<sup>a</sup> Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

<sup>b</sup> The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 13 areas comprise the SEER 9 areas plus San Jose-Monterey, Los Angeles, the Alaska Native Registry and Rural Georgia.

The SEER 17 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey.

<sup>c</sup> The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 2 Joinpoints over diagnosis years 1992-2007.

<sup>d</sup> The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 4 Joinpoints over diagnosis years 1975-2007.

<sup>e</sup> Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The 2003-2007 Hispanic and Non-Hispanic death rates exclude deaths from the District of Columbia, Minnesota, New Hampshire and North Dakota. The 1998-2007 Hispanic and Non-Hispanic mortality trends exclude deaths from Connecticut, the District of Columbia, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma and Vermont.

<sup>f</sup> Incidence data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

<sup>g</sup> US Mortality Files, National Center for Health Statistics, CDC.

<sup>h</sup> The 1998-2007 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2007.

\* The APC is significantly different from zero (p<.05).

Table 4.20  
Cancer of the Female Breast (*In Situ*)

SEER Incidence  
Age-Adjusted Rates and Trends<sup>a</sup>  
By Race/Ethnicity

SEER Incidence RACE/ETHNICITY	SEER 17 Areas <sup>b</sup> Rate 2003-2007 Rate per 100,000 persons	SEER 13 Areas <sup>b</sup> Trend 1998-2007 <sup>c</sup> AAPC (%)	SEER 9 Areas <sup>b</sup> Trend 1998-2007 <sup>d</sup> AAPC (%)
	Females	Females	Females
All Races	30.0	0.8	-
White	30.5	0.0	-
White Hispanic <sup>e</sup>	19.1	1.6*	-
White Non-Hispanic <sup>e</sup>	32.7	0.5	-
Black	27.7	1.5*	-
Asian/Pacific Islander	26.3	3.6	-
Amer Ind/Alaska Nat <sup>f</sup>	13.6	-	-
Hispanic <sup>e</sup>	18.7	1.5*	-

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 3.4.3, April 2010, National Cancer Institute.

- Statistic not shown. Rate based on less than 16 cases for the time interval.

Trend based on less than 10 cases for at least one year within the time interval.

<sup>a</sup> Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

<sup>b</sup> The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 13 areas comprise the SEER 9 areas plus San Jose-Monterey, Los Angeles, the Alaska Native Registry and Rural Georgia.

The SEER 17 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey.

<sup>c</sup> The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 2 Joinpoints over diagnosis years 1992-2007.

<sup>d</sup> The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 4 Joinpoints over diagnosis years 1975-2007.

<sup>e</sup> Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry.

<sup>f</sup> Incidence data for American Indian/Alaska Native are based on the CHSDA (Contract Health Service Delivery Area) counties.

\* The APC is significantly different from zero ( $p < .05$ ).

# SEER Incidence and US Death Rates<sup>a</sup> Cancer of the Female Breast

Joinpoint Analyses for Whites and Blacks from 1975-2007  
and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2007

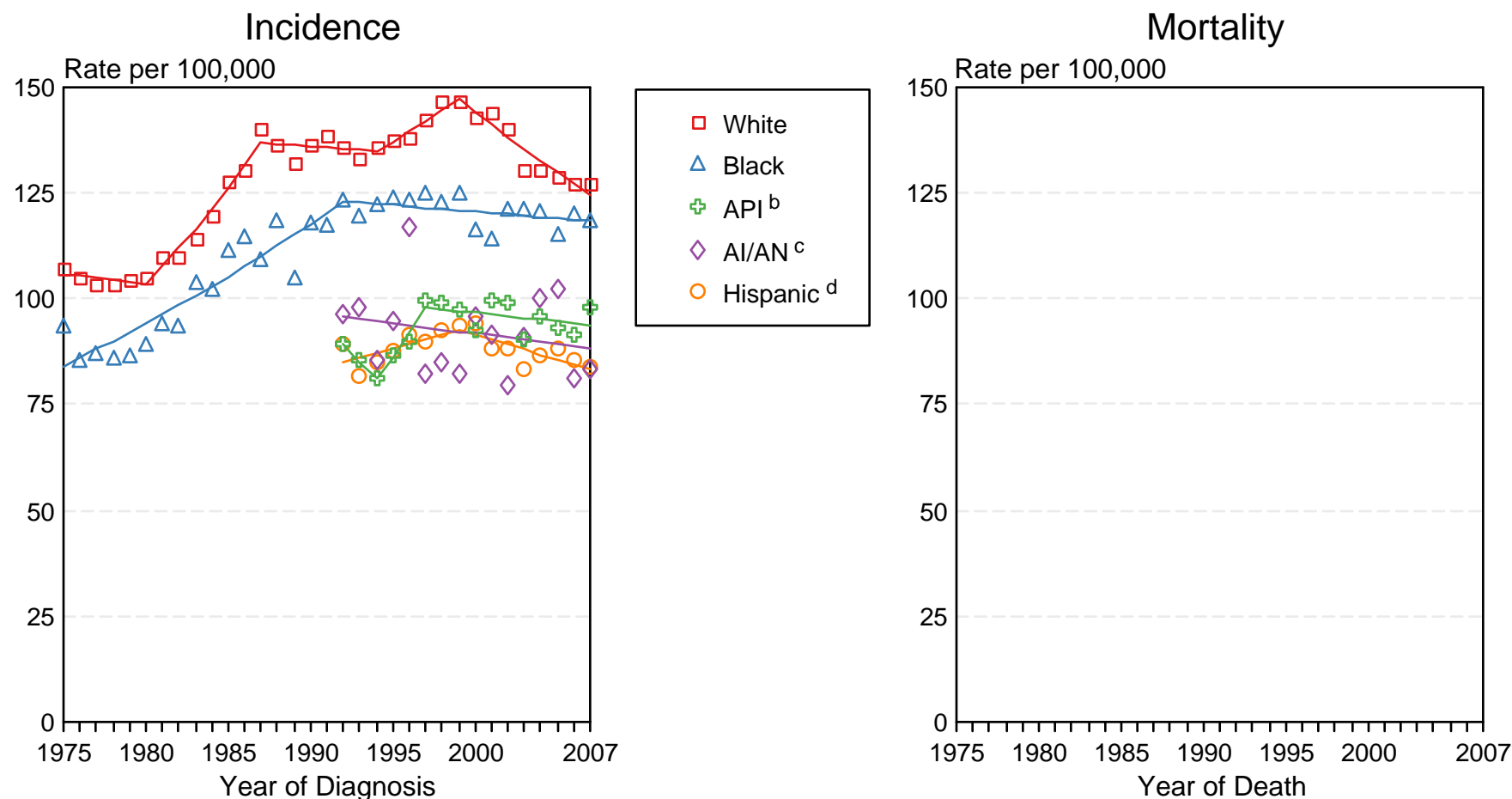


Figure 4.4

Source: Incidence data for whites and blacks are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta). Incidence data for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics are from the SEER 13 Areas (SEER 9 Areas, San Jose-Monterey, Los Angeles, Alaska Native Registry and Rural Georgia). Mortality data are from US Mortality Files, National Center for Health Statistics, CDC.

<sup>a</sup> Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).

Regression lines are calculated using the Joinpoint Regression Program Version 3.4.3, April 2010, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2007 period allow a maximum of 4 joinpoints. Analyses for other ethnic groups during the period 1992-2007 allow a maximum of 2 joinpoints.

<sup>b</sup> API = Asian/Pacific Islander.

<sup>c</sup> AI/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the CHSDA (Contract Health Service Delivery Area) counties.

<sup>d</sup> Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. Mortality data for Hispanics exclude cases from Connecticut, the District of Columbia, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma, and Vermont.

Table 5.11  
Cancer of the Cervix Uteri (Invasive)

SEER Incidence and U.S. Mortality  
Age-Adjusted Rates and Trends<sup>a</sup>  
By Race/Ethnicity

SEER Incidence	SEER 17 Areas <sup>b</sup>	SEER 13 Areas <sup>b</sup>	SEER 9 Areas <sup>b</sup>
	Rate 2003-2007	Trend 1998-2007 <sup>c</sup>	Trend 1998-2007 <sup>d</sup>
	Rate per 100,000 persons	AAPC (%)	AAPC (%)
RACE/ETHNICITY	Females	Females	Females
All Races	8.1	-2.9*	-3.5*
White	7.9	-2.4*	-2.6*
White Hispanic <sup>e</sup>	12.4	-5.8*	-
White Non-Hispanic <sup>e</sup>	7.0	-2.3*	-
Black	10.1	-5.0*	-3.8*
Asian/Pacific Islander	7.5	-4.6*	-
Amer Ind/Alaska Nat <sup>f</sup>	7.7	-1.9	-
Hispanic <sup>e</sup>	12.0	-4.1*	-

U.S. Mortality <sup>g</sup>	Rate 2003-2007	Trend 1998-2007 <sup>h</sup>
	Rate per 100,000 persons	AAPC (%)
	Females	Females
RACE/ETHNICITY		
All Races		
White		
White Hispanic <sup>e</sup>		
White Non-Hispanic <sup>e</sup>		
Black		
Asian/Pacific Islander		
Amer Ind/Alaska Nat		
Total U.S.		
CHSDA Counties		
Non-CHSDA Counties		
Hispanic <sup>e</sup>		

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 3.4.3, April 2010, National Cancer Institute.

- Statistic not shown. Rate based on less than 16 cases for the time interval.

Trend based on less than 10 cases for at least one year within the time interval.

<sup>a</sup> Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

<sup>b</sup> The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 13 areas comprise the SEER 9 areas plus San Jose-Monterey, Los Angeles, the Alaska Native Registry and Rural Georgia.

The SEER 17 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey.

<sup>c</sup> The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 2 Joinpoints over diagnosis years 1992-2007.

<sup>d</sup> The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 4 Joinpoints over diagnosis years 1975-2007.

<sup>e</sup> Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The 2003-2007 Hispanic and Non-Hispanic death rates exclude deaths from the District of Columbia, Minnesota, New Hampshire and North Dakota. The 1998-2007 Hispanic and Non-Hispanic mortality trends exclude deaths from Connecticut, the District of Columbia, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma and Vermont.

<sup>f</sup> Incidence data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

<sup>g</sup> US Mortality Files, National Center for Health Statistics, CDC.

<sup>h</sup> The 1998-2007 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2007.

\* The APC is significantly different from zero (p<.05).

# SEER Incidence and US Death Rates<sup>a</sup> Cancer of the Cervix Uteri

Joinpoint Analyses for Whites and Blacks from 1975-2007  
and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2007

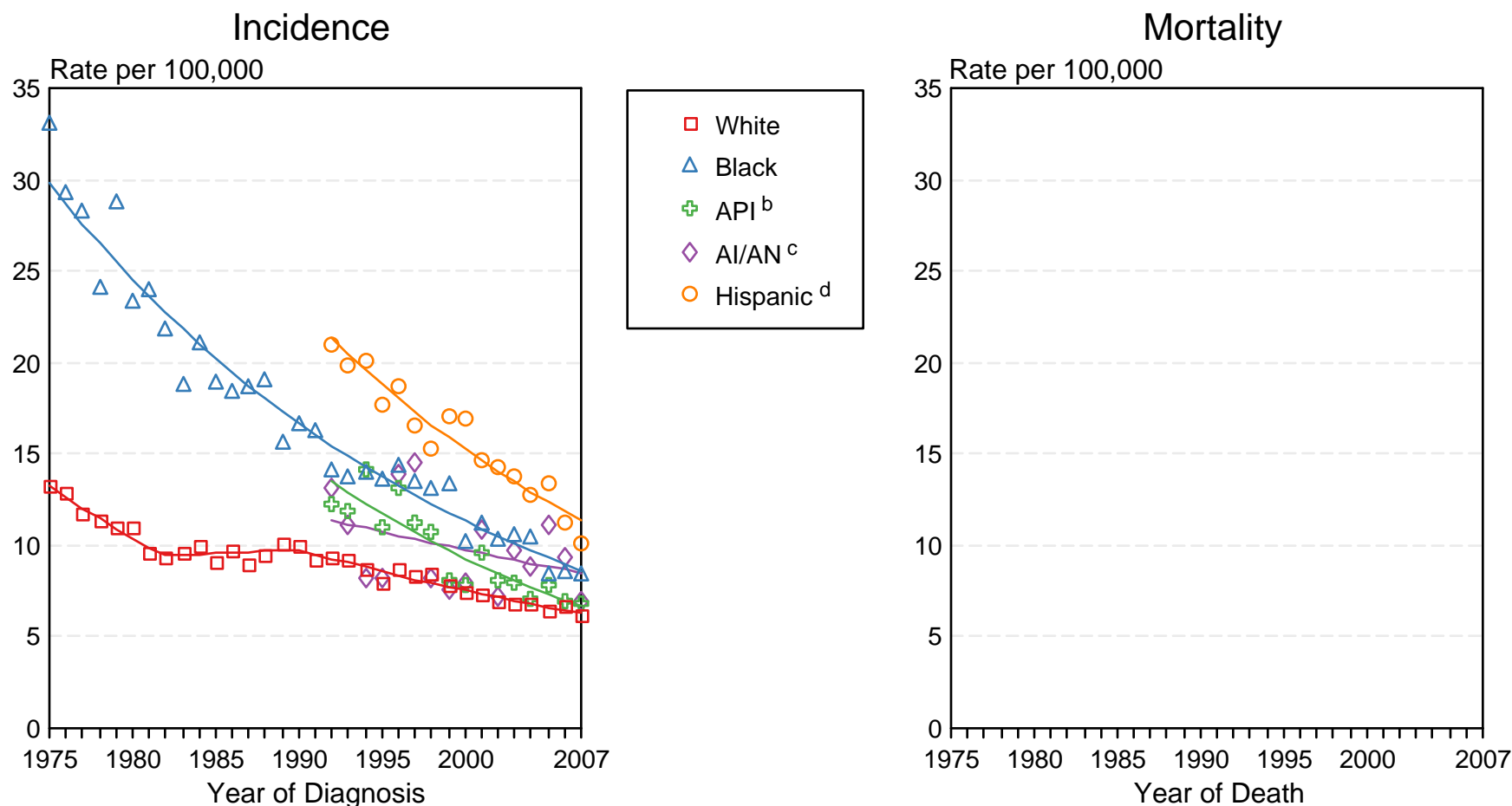


Figure 5.3

Source: Incidence data for whites and blacks are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta). Incidence data for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics are from the SEER 13 Areas (SEER 9 Areas, San Jose-Monterey, Los Angeles, Alaska Native Registry and Rural Georgia). Mortality data are from US Mortality Files, National Center for Health Statistics, CDC.

<sup>a</sup> Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).

Regression lines are calculated using the Joinpoint Regression Program Version 3.4.3, April 2010, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2007 period allow a maximum of 4 joinpoints. Analyses for other ethnic groups during the period 1992-2007 allow a maximum of 2 joinpoints.

<sup>b</sup> API = Asian/Pacific Islander.

<sup>c</sup> AI/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

<sup>d</sup> Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. Mortality data for Hispanics exclude cases from Connecticut, the District of Columbia, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma, and Vermont.

Table 6.21  
Cancer of the Colon and Rectum (Invasive)

SEER Incidence and U.S. Mortality  
Age-Adjusted Rates and Trends<sup>a</sup>  
By Race/Ethnicity and Sex

SEER Incidence	SEER 17 Areas <sup>b</sup>			SEER 13 Areas <sup>b</sup>			SEER 9 Areas <sup>b</sup>		
	Rate 2003-2007			Trend 1998-2007 <sup>c</sup>			Trend 1998-2007 <sup>d</sup>		
	Rate per 100,000 persons			AAPC (%)			AAPC (%)		
RACE/ETHNICITY	Total	Males	Females	Total	Males	Females	Total	Males	Females
All Races	47.9	55.8	41.7	-2.6*	-3.0*	-2.3*	-2.7*	-3.2*	-2.3*
White	47.4	55.4	40.9	-2.8*	-3.2*	-2.5*	-2.8*	-3.3*	-2.6*
White Hispanic <sup>e</sup>	37.9	45.5	32.0	-1.4*	-2.1*	-0.5*	-	-	-
White Non-Hispanic <sup>e</sup>	48.7	56.7	42.1	-2.8*	-3.2*	-2.6*	-	-	-
Black	58.9	68.1	52.6	-1.6*	-2.2*	-1.3*	-1.7*	-2.4*	-1.4*
Asian/Pacific Islander	39.2	45.5	34.2	-2.0*	-2.3*	-0.9*	-	-	-
Amer Ind/Alaska Nat <sup>f</sup>	42.1	43.4	40.4	-0.3	-0.9	0.2	-	-	-
Hispanic <sup>e</sup>	37.3	44.5	31.6	-1.4*	-2.3*	-0.4*	-	-	-

U.S. Mortality <sup>g</sup>	Rate 2003-2007			Trend 1998-2007 <sup>h</sup>		
	Rate per 100,000 persons			AAPC (%)		
	Total	Males	Females	Total	Males	Females
RACE/ETHNICITY						
All Races						
White						
White Hispanic <sup>e</sup>						
White Non-Hispanic <sup>e</sup>						
Black						
Asian/Pacific Islander						
Amer Ind/Alaska Nat						
Total U.S.						
CHSDA Counties						
Non-CHSDA Counties						
Hispanic <sup>e</sup>						

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 3.4.3, April 2010, National Cancer Institute.

- Statistic not shown. Rate based on less than 16 cases for the time interval.

Trend based on less than 10 cases for at least one year within the time interval.

<sup>a</sup> Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).  
<sup>b</sup> The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 13 areas comprise the SEER 9 areas plus San Jose-Monterey, Los Angeles, the Alaska Native Registry and Rural Georgia.

The SEER 17 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey.

<sup>c</sup> The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 2 Joinpoints over diagnosis years 1992-2007.

<sup>d</sup> The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 4 Joinpoints over diagnosis years 1975-2007.

<sup>e</sup> Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The 2003-2007 Hispanic and Non-Hispanic death rates exclude deaths from the District of Columbia, Minnesota, New Hampshire and North Dakota. The 1998-2007 Hispanic and Non-Hispanic mortality trends exclude deaths from Connecticut, the District of Columbia, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma and Vermont.

<sup>f</sup> Incidence data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

<sup>g</sup> US Mortality Files, National Center for Health Statistics, CDC.

<sup>h</sup> The 1998-2007 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2007.

\* The APC is significantly different from zero (p<.05).

Table 6.22  
Cancer of the Colon (Invasive) and Cancer of the Rectum (Invasive)

SEER Incidence  
Age-Adjusted Rates and Trends<sup>a</sup>  
By Race/Ethnicity and Sex

Cancer of the Colon SEER Incidence	SEER 17 Areas <sup>b</sup> Rate 2003-2007 Rate per 100,000 persons			SEER 13 Areas <sup>b</sup> Trend 1998-2007 <sup>c</sup> AAPC (%)			SEER 9 Areas <sup>b</sup> Trend 1998-2007 <sup>d</sup> AAPC (%)		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
	RACE/ETHNICITY								
All Races	34.5	38.9	31.2	-2.4*	-2.8*	-2.0*	-2.7*	-3.0*	-2.1*
White	34.1	38.6	30.6	-2.8*	-3.3*	-2.1*	-2.8*	-3.4*	-2.2*
White Hispanic <sup>e</sup>	26.5	30.4	23.4	-1.1*	-1.9*	-0.3	-	-	-
White Non-Hispanic <sup>e</sup>	35.1	39.7	31.5	-2.8*	-3.3*	-2.2*	-	-	-
Black	44.9	50.8	41.0	-1.9*	-2.6*	-1.5*	-2.0*	-2.8*	-1.7*
Asian/Pacific Islander	26.2	28.8	24.3	-2.3*	-3.0*	-1.0*	-	-	-
Amer Ind/Alaska Nat <sup>f</sup>	31.0	29.5	31.8	-0.5	-1.8	0.6	-	-	-
Hispanic <sup>e</sup>	26.0	29.7	23.2	-1.1*	-1.9*	-0.2	-	-	-
Cancer of the Rectum SEER Incidence	SEER 17 Areas <sup>b</sup> Rate 2003-2007 Rate per 100,000 persons			SEER 13 Areas <sup>b</sup> Trend 1998-2007 <sup>c</sup> AAPC (%)			SEER 9 Areas <sup>b</sup> Trend 1998-2007 <sup>d</sup> AAPC (%)		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
	RACE/ETHNICITY								
All Races	13.4	16.9	10.6	-2.6*	-2.5*	-2.5*	-2.6*	-2.8*	-2.4*
White	13.3	16.8	10.4	-3.0*	-2.9*	-3.0*	-2.9*	-3.0*	-2.9*
White Hispanic <sup>e</sup>	11.5	15.1	8.5	-1.3*	-1.7*	-1.0*	-	-	-
White Non-Hispanic <sup>e</sup>	13.6	17.1	10.7	-3.0*	-3.2*	-3.0*	-	-	-
Black	14.0	17.2	11.6	-0.4	-0.7	-0.1	-0.2	-0.1	-0.2
Asian/Pacific Islander	12.9	16.7	9.9	-1.0*	-0.9	-1.1	-	-	-
Amer Ind/Alaska Nat <sup>f</sup>	11.1	13.9	8.7	-0.1	-	-	-	-	-
Hispanic <sup>e</sup>	11.3	14.8	8.5	-1.2*	-1.6*	-0.9	-	-	-

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 3.4.3, April 2010, National Cancer Institute.

- Statistic not shown. Rate based on less than 16 cases for the time interval.

Trend based on less than 10 cases for at least one year within the time interval.

<sup>a</sup> Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

<sup>b</sup> The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 13 areas comprise the SEER 9 areas plus San Jose-Monterey, Los Angeles, the Alaska Native Registry and Rural Georgia.

The SEER 17 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey.

<sup>c</sup> The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 2 Joinpoints over diagnosis years 1992-2007.

<sup>d</sup> The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 4 Joinpoints over diagnosis years 1975-2007.

<sup>e</sup> Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry.

<sup>f</sup> Incidence data for American Indian/Alaska Native are based on the CHSDA (Contract Health Service Delivery Area) counties.

\* The APC is significantly different from zero (p<.05).

# SEER Incidence and US Death Rates<sup>a</sup> Cancer of the Colon and Rectum, Both Sexes Joinpoint Analyses for Whites and Blacks from 1975-2007 and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2007

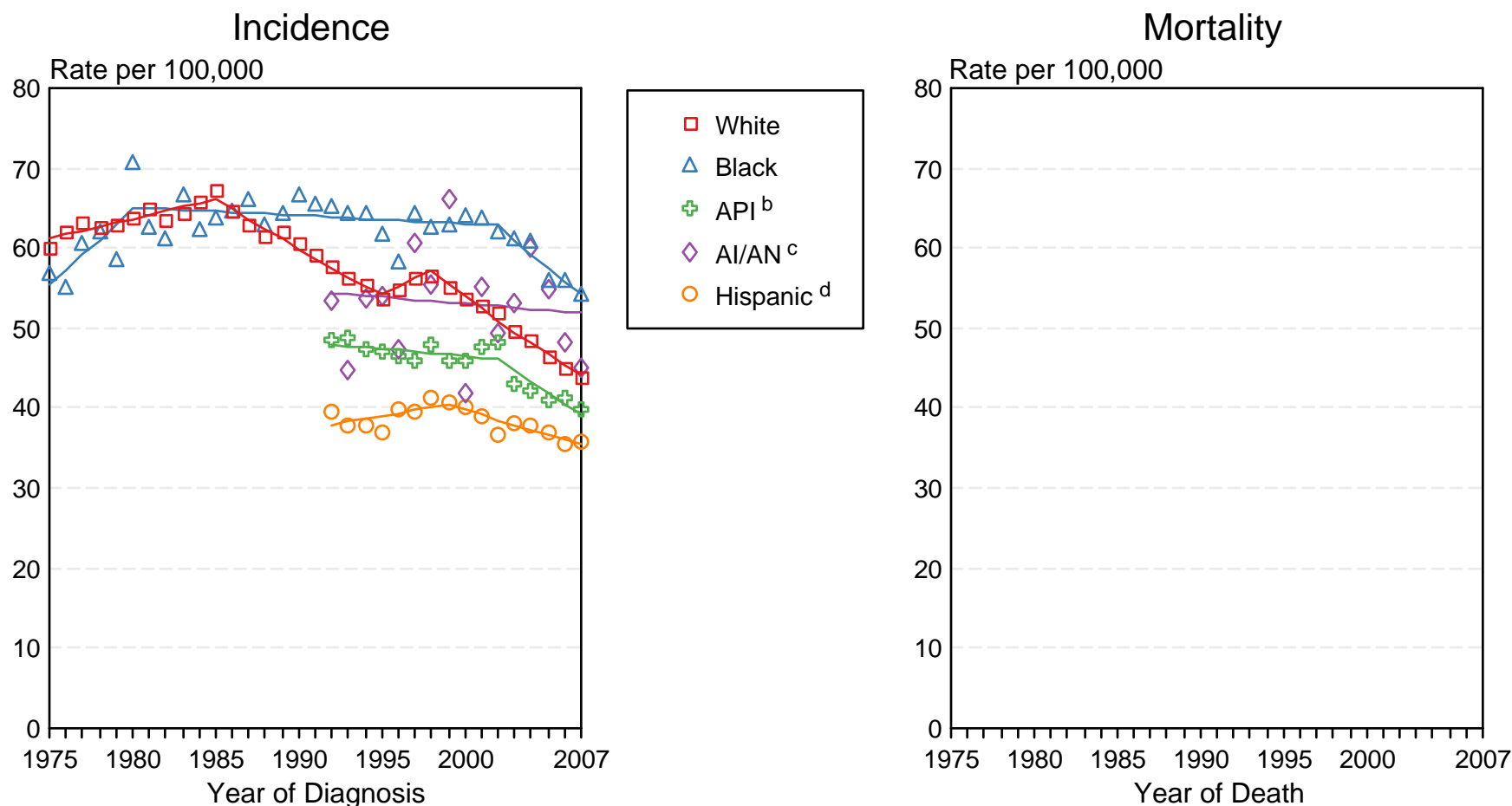


Figure 6.2

Source: Incidence data for whites and blacks are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta). Incidence data for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics are from the SEER 13 Areas (SEER 9 Areas, San Jose-Monterey, Los Angeles, Alaska Native Registry and Rural Georgia). Mortality data are from US Mortality Files, National Center for Health Statistics, CDC.

<sup>a</sup> Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).

Regression lines are calculated using the Joinpoint Regression Program Version 3.4.3, April 2010, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2007 period allow a maximum of 4 joinpoints. Analyses for other ethnic groups during the period 1992-2007 allow a maximum of 2 joinpoints.

<sup>b</sup> API = Asian/Pacific Islander.

<sup>c</sup> AI/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the CHSDA (Contract Health Service Delivery Area) counties.

<sup>d</sup> Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. Mortality data for Hispanics exclude cases from Connecticut, the District of Columbia, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma, and Vermont.

Table 7.11  
Cancer of the Corpus And Uterus, NOS (Invasive)

SEER Incidence and U.S. Mortality  
Age-Adjusted Rates and Trends<sup>a</sup>  
By Race/Ethnicity

SEER Incidence	SEER 17 Areas <sup>b</sup>	SEER 13 Areas <sup>b</sup>	SEER 9 Areas <sup>b</sup>
	Rate 2003-2007	Trend 1998-2007 <sup>c</sup>	Trend 1998-2007 <sup>d</sup>
	Rate per 100,000 persons	AAPC (%)	AAPC (%)
	Females	Females	Females
RACE/ETHNICITY			
All Races	23.5	-0.6*	-0.5*
White	24.4	-0.8*	-0.7*
White Hispanic <sup>e</sup>	18.0	0.6*	-
White Non-Hispanic <sup>e</sup>	25.3	-0.8*	-
Black	20.6	1.5*	1.2*
Asian/Pacific Islander	17.3	1.2*	-
Amer Ind/Alaska Nat <sup>f</sup>	16.8	-	-
Hispanic <sup>e</sup>	17.6	0.7*	-

U.S. Mortality <sup>g</sup>	Rate 2003-2007	Trend 1998-2007 <sup>h</sup>
	Rate per 100,000 persons	AAPC (%)
	Females	Females
RACE/ETHNICITY		
All Races		
White		
White Hispanic <sup>e</sup>		
White Non-Hispanic <sup>e</sup>		
Black		
Asian/Pacific Islander		
Amer Ind/Alaska Nat		
Total U.S.		
CHSDA Counties		
Non-CHSDA Counties		
Hispanic <sup>e</sup>		

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 3.4.3, April 2010, National Cancer Institute.

- Statistic not shown. Rate based on less than 16 cases for the time interval.

Trend based on less than 10 cases for at least one year within the time interval.

<sup>a</sup> Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

<sup>b</sup> The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 13 areas comprise the SEER 9 areas plus San Jose-Monterey, Los Angeles, the Alaska Native Registry and Rural Georgia.

The SEER 17 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey.

<sup>c</sup> The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 2 Joinpoints over diagnosis years 1992-2007.

<sup>d</sup> The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 4 Joinpoints over diagnosis years 1975-2007.

<sup>e</sup> Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The 2003-2007 Hispanic and Non-Hispanic death rates exclude deaths from the District of Columbia, Minnesota, New Hampshire and North Dakota. The 1998-2007 Hispanic and Non-Hispanic mortality trends exclude deaths from Connecticut, the District of Columbia, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma and Vermont.

<sup>f</sup> Incidence data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

<sup>g</sup> US Mortality Files, National Center for Health Statistics, CDC.

<sup>h</sup> The 1998-2007 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2007.

\* The APC is significantly different from zero (p<.05).

# SEER Incidence and US Death Rates<sup>a</sup> Cancer of the Corpus and Uterus, NOS

## Joinpoint Analyses for Whites and Blacks from 1975-2007 and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2007

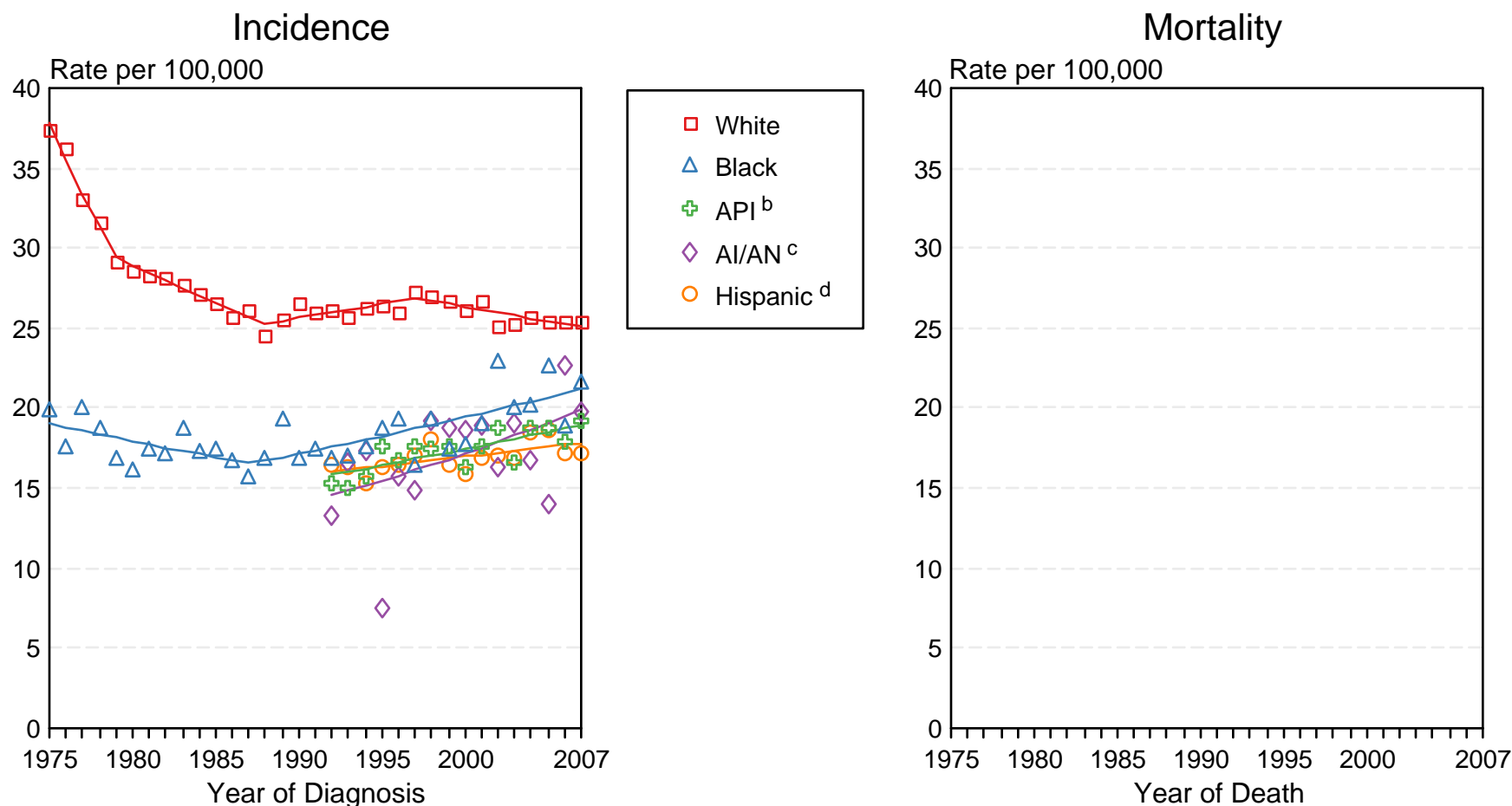


Figure 7.3

Source: Incidence data for whites and blacks are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta). Incidence data for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics are from the SEER 13 Areas (SEER 9 Areas, San Jose-Monterey, Los Angeles, Alaska Native Registry and Rural Georgia). Mortality data are from US Mortality Files, National Center for Health Statistics, CDC.

<sup>a</sup> Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).

Regression lines are calculated using the Joinpoint Regression Program Version 3.4.3, April 2010, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2007 period allow a maximum of 4 joinpoints. Analyses for other ethnic groups during the period 1992-2007 allow a maximum of 2 joinpoints.

<sup>b</sup> API = Asian/Pacific Islander.

<sup>c</sup> AI/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the CHSDA (Contract Health Service Delivery Area) counties.

<sup>d</sup> Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. Mortality data for Hispanics exclude cases from Connecticut, the District of Columbia, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma, and Vermont.

Table 8.15  
Cancer of the Esophagus (Invasive)

SEER Incidence and U.S. Mortality  
Age-Adjusted Rates and Trends<sup>a</sup>  
By Race/Ethnicity and Sex

SEER Incidence	SEER 17 Areas <sup>b</sup>			SEER 13 Areas <sup>b</sup>			SEER 9 Areas <sup>b</sup>		
	Rate 2003-2007			Trend 1998-2007 <sup>c</sup>			Trend 1998-2007 <sup>d</sup>		
	Rate per 100,000 persons			AAPC (%)			AAPC (%)		
RACE/ETHNICITY	Total	Males	Females	Total	Males	Females	Total	Males	Females
All Races	4.5	7.8	1.9	-0.2	-0.1	-0.9*	0.4*	0.6*	-0.4*
White	4.6	8.0	1.9	0.8*	0.9*	-0.3	0.3	1.6*	0.1
White Hispanic <sup>e</sup>	2.9	5.2	1.1	-1.8*	-1.9*	-	-	-	-
White Non-Hispanic <sup>e</sup>	4.9	8.4	2.0	0.2	0.3	0.0	-	-	-
Black	5.4	8.9	2.9	-4.9*	-5.2*	-4.1*	-4.5*	-4.9*	-2.8*
Asian/Pacific Islander	2.4	4.1	1.0	-1.5*	-1.9*	-	-	-	-
Amer Ind/Alaska Nat <sup>f</sup>	4.0	5.2	2.9	-	-	-	-	-	-
Hispanic <sup>e</sup>	2.9	5.1	1.1	-1.6*	-1.7*	-2.2	-	-	-

U.S. Mortality <sup>g</sup>	Rate 2003-2007			Trend 1998-2007 <sup>h</sup>		
	Rate per 100,000 persons			AAPC (%)		
	Total	Males	Females	Total	Males	Females

RACE/ETHNICITY
All Races
White
White Hispanic <sup>e</sup>
White Non-Hispanic <sup>e</sup>
Black
Asian/Pacific Islander
Amer Ind/Alaska Nat
Total U.S.
CHSDA Counties
Non-CHSDA Counties
Hispanic <sup>e</sup>

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 3.4.3, April 2010, National Cancer Institute.

- Statistic not shown. Rate based on less than 16 cases for the time interval.

Trend based on less than 10 cases for at least one year within the time interval.

<sup>a</sup> Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

<sup>b</sup> The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 13 areas comprise the SEER 9 areas plus San Jose-Monterey, Los Angeles, the Alaska Native Registry and Rural Georgia.

The SEER 17 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey.

<sup>c</sup> The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 2 Joinpoints over diagnosis years 1992-2007.

<sup>d</sup> The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 4 Joinpoints over diagnosis years 1975-2007.

<sup>e</sup> Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The 2003-2007 Hispanic and Non-Hispanic death rates exclude deaths from the District of Columbia, Minnesota, New Hampshire and North Dakota. The 1998-2007 Hispanic and Non-Hispanic mortality trends exclude deaths from Connecticut, the District of Columbia, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma and Vermont.

<sup>f</sup> Incidence data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

<sup>g</sup> US Mortality Files, National Center for Health Statistics, CDC.

<sup>h</sup> The 1998-2007 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2007.

\* The APC is significantly different from zero (p<.05).

# SEER Incidence and US Death Rates<sup>a</sup> Cancer of the Esophagus, Both Sexes

## Joinpoint Analyses for Whites and Blacks from 1975-2007 and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2007

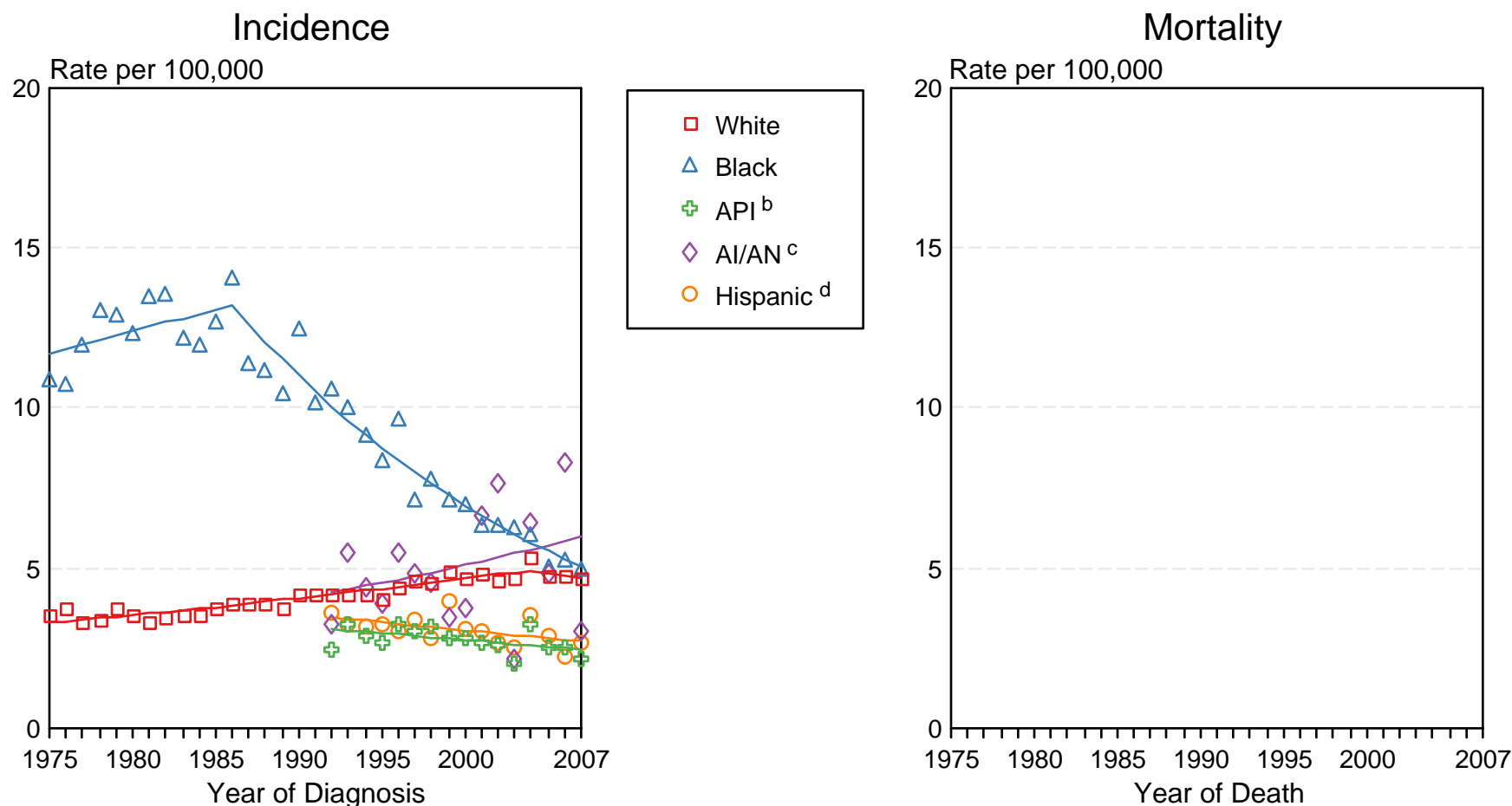


Figure 8.2

Source: Incidence data for whites and blacks are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta). Incidence data for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics are from the SEER 13 Areas (SEER 9 Areas, San Jose-Monterey, Los Angeles, Alaska Native Registry and Rural Georgia). Mortality data are from US Mortality Files, National Center for Health Statistics, CDC.

<sup>a</sup> Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).

Regression lines are calculated using the Joinpoint Regression Program Version 3.4.3, April 2010, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2007 period allow a maximum of 4 joinpoints. Analyses for other ethnic groups during the period 1992-2007 allow a maximum of 2 joinpoints.

<sup>b</sup> API = Asian/Pacific Islander.

<sup>c</sup> AI/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the CHSDA (Contract Health Service Delivery Area) counties.

<sup>d</sup> Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. Mortality data for Hispanics exclude cases from Connecticut, the District of Columbia, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma, and Vermont.

Table 9.15  
Hodgkin Lymphoma

SEER Incidence and U.S. Mortality  
Age-Adjusted Rates and Trends<sup>a</sup>  
By Race/Ethnicity and Sex

SEER Incidence	SEER 17 Areas <sup>b</sup>			SEER 13 Areas <sup>b</sup>			SEER 9 Areas <sup>b</sup>		
	Rate 2003-2007			Trend 1998-2007 <sup>c</sup>			Trend 1998-2007 <sup>d</sup>		
	Rate per 100,000 persons			AAPC (%)			AAPC (%)		
RACE/ETHNICITY	Total	Males	Females	Total	Males	Females	Total	Males	Females
All Races	2.8	3.2	2.5	0.8*	0.3	0.3	1.1*	1.1	0.4*
White	3.0	3.4	2.7	0.4	0.2	0.2	0.9	0.9	0.3*
White Hispanic <sup>e</sup>	2.4	2.9	2.1	0.0	-0.3	0.3	-	-	-
White Non-Hispanic <sup>e</sup>	3.3	3.7	3.0	1.0	0.5	0.5	-	-	-
Black	2.6	3.0	2.3	1.0	1.3*	0.7	1.2*	0.3	2.4*
Asian/Pacific Islander	1.3	1.5	1.1	3.5*	2.8*	4.4*	-	-	-
Amer Ind/Alaska Nat <sup>f</sup>	1.0	-	-	-	-	-	-	-	-
Hispanic <sup>e</sup>	2.4	2.8	2.0	0.1	-0.1	0.3	-	-	-

U.S. Mortality <sup>g</sup>	Rate 2003-2007			Trend 1998-2007 <sup>h</sup>		
	Rate per 100,000 persons			AAPC (%)		
	Total	Males	Females	Total	Males	Females

RACE/ETHNICITY

All Races

White

    White Hispanic<sup>e</sup>

    White Non-Hispanic<sup>e</sup>

Black

Asian/Pacific Islander

Amer Ind/Alaska Nat

    Total U.S.

    CHSDA Counties

    Non-CHSDA Counties

Hispanic<sup>e</sup>

- The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 3.4.3, April 2010, National Cancer Institute.
- Statistic not shown. Rate based on less than 16 cases for the time interval.
- a Trend based on less than 10 cases for at least one year within the time interval.
- a Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).
- b The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.
- b The SEER 13 areas comprise the SEER 9 areas plus San Jose-Monterey, Los Angeles, the Alaska Native Registry and Rural Georgia.
- b The SEER 17 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey.
- c The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 2 Joinpoints over diagnosis years 1992-2007.
- d The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 4 Joinpoints over diagnosis years 1975-2007.
- e Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The 2003-2007 Hispanic and Non-Hispanic death rates exclude deaths from the District of Columbia, Minnesota, New Hampshire and North Dakota. The 1998-2007 Hispanic and Non-Hispanic mortality trends exclude deaths from Connecticut, the District of Columbia, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma and Vermont.
- f Incidence data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
- g US Mortality Files, National Center for Health Statistics, CDC.
- h The 1998-2007 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2007.
- \* The APC is significantly different from zero (p<.05).

# SEER Incidence and US Death Rates<sup>a</sup> Hodgkin Lymphoma, Both Sexes

Joinpoint Analyses for Whites and Blacks from 1975-2007  
and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2007

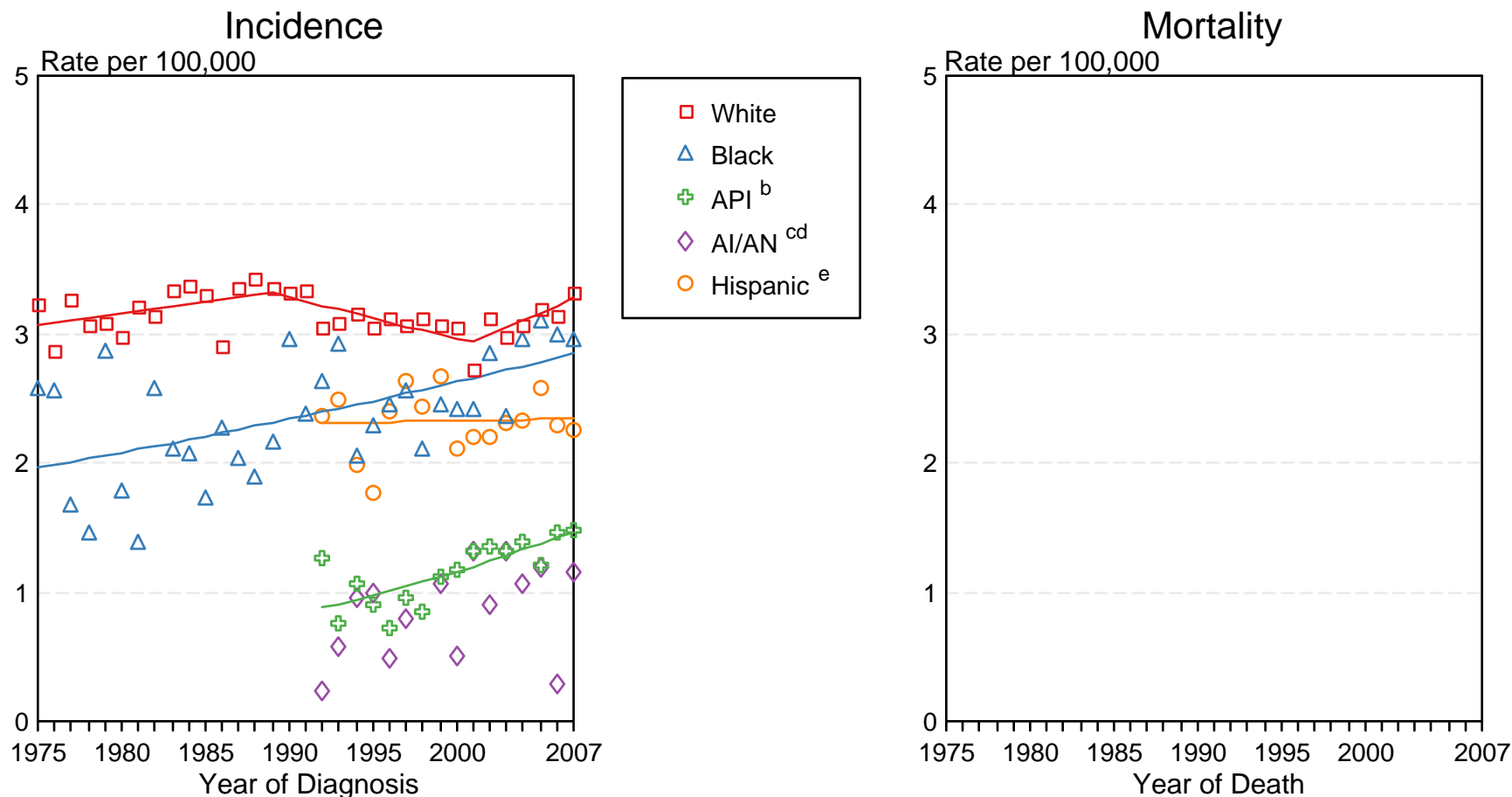


Figure 9.2

Source: Incidence data for whites and blacks are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta). Incidence data for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics are from the SEER 13 Areas (SEER 9 Areas, San Jose-Monterey, Los Angeles, Alaska Native Registry and Rural Georgia). Mortality data are from US Mortality Files, National Center for Health Statistics, CDC.

<sup>a</sup> Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).

Regression lines are calculated using the Joinpoint Regression Program Version 3.4.3, April 2010, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2007 period allow a maximum of 4 joinpoints. Analyses for other ethnic groups during the period 1992-2007 allow a maximum of 2 joinpoints.

<sup>b</sup> API = Asian/Pacific Islander.

<sup>c</sup> AI/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the CHSDA (Contract Health Service Delivery Area) counties.

<sup>d</sup> Joinpoint could not fit a regression line for American Indian/Alaska Native Incidence due to insufficient data.

<sup>e</sup> Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. Mortality data for Hispanics exclude cases from Connecticut, the District of Columbia, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma, and Vermont.

Table 10.13  
Kaposi Sarcoma

SEER Incidence  
Age-Adjusted Rates and Trends<sup>a</sup>  
By Race/Ethnicity and Sex

SEER Incidence RACE/ETHNICITY	SEER 17 Areas <sup>b</sup> Rate 2003-2007 Rate per 100,000 persons			SEER 13 Areas <sup>b</sup> Trend 1998-2007 <sup>c</sup> AAPC (%)			SEER 9 Areas <sup>b</sup> Trend 1998-2007 <sup>d</sup> AAPC (%)		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
All Races	0.6	1.2	0.1	-3.3*	-3.2*	-6.4*	-2.3	-2.5	-6.1*
White	0.6	1.0	0.1	-3.0*	-2.9*	-	-2.1	-2.3	-5.3*
White Hispanic <sup>e</sup>	0.9	1.6	0.2	-3.3	-2.3	-	-	-	-
White Non-Hispanic <sup>e</sup>	0.5	0.9	0.1	-3.2	-3.3	-	-	-	-
Black	1.2	2.4	0.2	-4.7*	-4.5*	-	-4.0*	-3.7	-
Asian/Pacific Islander	0.2	0.4	-	-	-	-	-	-	-
Amer Ind/Alaska Nat <sup>f</sup>	-	-	-	-	-	-	-	-	-
Hispanic <sup>e</sup>	0.9	1.6	0.2	-3.7	-2.5	-	-	-	-

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 3.4.3, April 2010, National Cancer Institute.

- Statistic not shown. Rate based on less than 16 cases for the time interval.

Trend based on less than 10 cases for at least one year within the time interval.

<sup>a</sup> Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

<sup>b</sup> The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 13 areas comprise the SEER 9 areas plus San Jose-Monterey, Los Angeles, the Alaska Native Registry and Rural Georgia.

The SEER 17 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey.

<sup>c</sup> The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 2 Joinpoints over diagnosis years 1992-2007.

<sup>d</sup> The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 4 Joinpoints over diagnosis years 1975-2007.

<sup>e</sup> Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry.

<sup>f</sup> Incidence data for American Indian/Alaska Native are based on the CHSDA (Contract Health Service Delivery Area) counties.

\* The APC is significantly different from zero (p<.05).

Table 11.15  
Cancer of the Kidney and Renal Pelvis (Invasive)

SEER Incidence and U.S. Mortality  
Age-Adjusted Rates and Trends<sup>a</sup>  
By Race/Ethnicity and Sex

SEER Incidence	SEER 17 Areas <sup>b</sup>			SEER 13 Areas <sup>b</sup>			SEER 9 Areas <sup>b</sup>		
	Rate 2003-2007			Trend 1998-2007 <sup>c</sup>			Trend 1998-2007 <sup>d</sup>		
	Rate per 100,000 persons			AAPC (%)			AAPC (%)		
RACE/ETHNICITY	Total	Males	Females	Total	Males	Females	Total	Males	Females
All Races	14.1	19.2	9.9	2.5*	1.9*	2.3*	2.6*	1.8*	2.3*
White	14.5	19.7	10.2	2.2*	1.9*	2.4*	2.7*	1.7*	3.3*
White Hispanic <sup>e</sup>	13.8	18.1	10.3	2.4*	2.0*	2.7*	-	-	-
White Non-Hispanic <sup>e</sup>	14.7	20.1	10.2	2.2*	1.9*	2.8*	-	-	-
Black	15.4	21.8	10.7	2.0*	1.8*	2.1*	2.7*	2.6*	2.8*
Asian/Pacific Islander	7.3	10.2	5.1	2.6*	2.1*	3.5*	-	-	-
Amer Ind/Alaska Nat <sup>f</sup>	17.4	21.2	14.1	0.8	0.2	-	-	-	-
Hispanic <sup>e</sup>	13.3	17.5	10.0	2.5*	2.2*	2.7*	-	-	-

U.S. Mortality <sup>g</sup>	Rate 2003-2007			Trend 1998-2007 <sup>h</sup>		
	Rate per 100,000 persons			AAPC (%)		
	Total	Males	Females	Total	Males	Females
RACE/ETHNICITY						
All Races						
White						
White Hispanic <sup>e</sup>						
White Non-Hispanic <sup>e</sup>						
Black						
Asian/Pacific Islander						
Amer Ind/Alaska Nat						
Total U.S.						
CHSDA Counties						
Non-CHSDA Counties						
Hispanic <sup>e</sup>						

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 3.4.3, April 2010, National Cancer Institute.

- Statistic not shown. Rate based on less than 16 cases for the time interval.

Trend based on less than 10 cases for at least one year within the time interval.

<sup>a</sup> Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

<sup>b</sup> The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 13 areas comprise the SEER 9 areas plus San Jose-Monterey, Los Angeles, the Alaska Native Registry and Rural Georgia.

The SEER 17 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey.

<sup>c</sup> The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 2 Joinpoints over diagnosis years 1992-2007.

<sup>d</sup> The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 4 Joinpoints over diagnosis years 1975-2007.

<sup>e</sup> Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The 2003-2007 Hispanic and Non-Hispanic death rates exclude deaths from the District of Columbia, Minnesota, New Hampshire and North Dakota. The 1998-2007 Hispanic and Non-Hispanic mortality trends exclude deaths from Connecticut, the District of Columbia, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma and Vermont.

<sup>f</sup> Incidence data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

<sup>g</sup> US Mortality Files, National Center for Health Statistics, CDC.

<sup>h</sup> The 1998-2007 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2007.

\* The APC is significantly different from zero (p<.05).

# SEER Incidence and US Death Rates<sup>a</sup> Cancer of the Kidney and Renal Pelvis, Both Sexes Joinpoint Analyses for Whites and Blacks from 1975-2007 and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2007

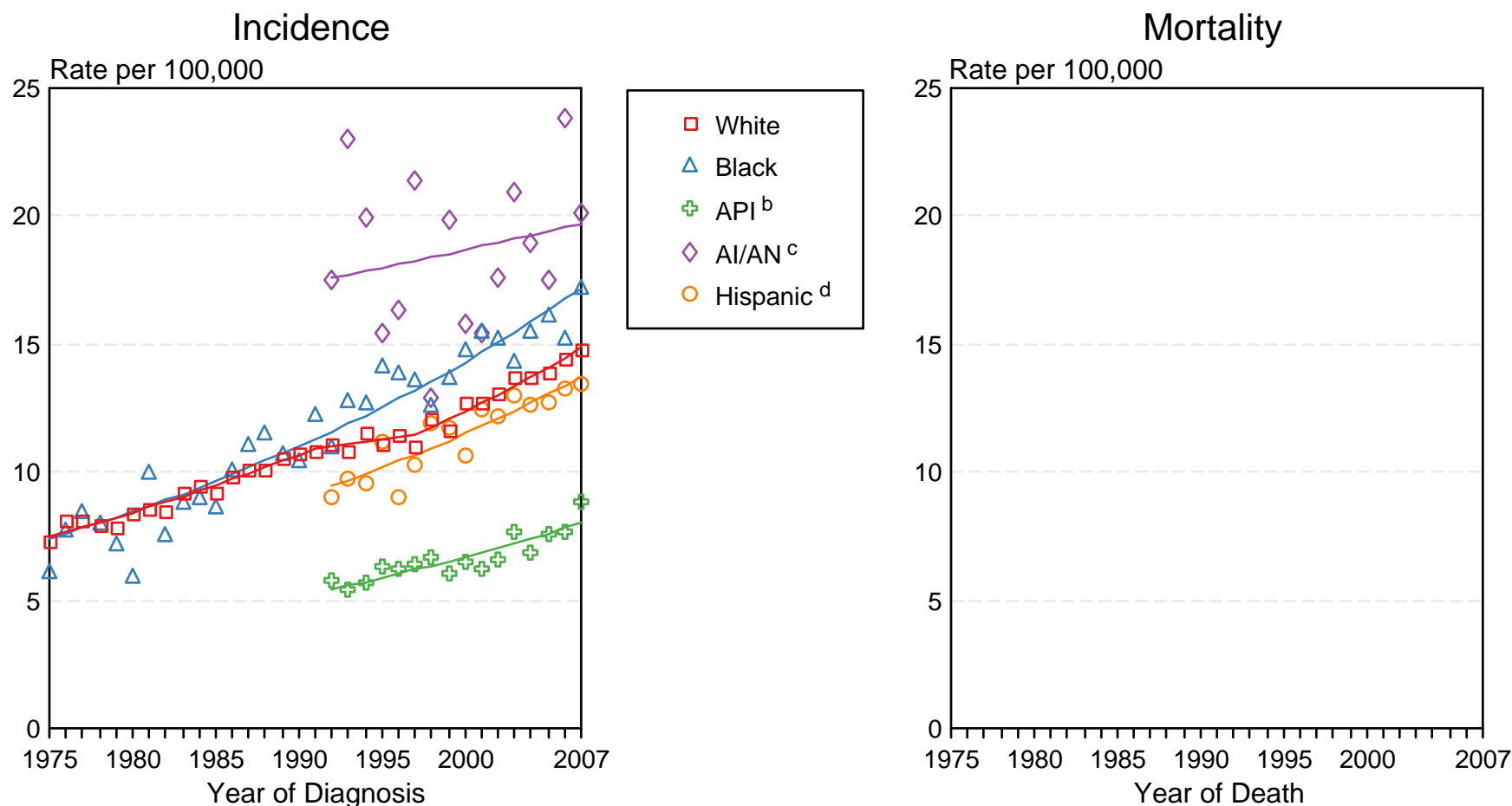


Figure 11.2

Source: Incidence data for whites and blacks are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta). Incidence data for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics are from the SEER 13 Areas (SEER 9 Areas, San Jose-Monterey, Los Angeles, Alaska Native Registry and Rural Georgia). Mortality data are from US Mortality Files, National Center for Health Statistics, CDC.

<sup>a</sup> Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).

Regression lines are calculated using the Joinpoint Regression Program Version 3.4.3, April 2010, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2007 period allow a maximum of 4 joinpoints. Analyses for other ethnic groups during the period 1992-2007 allow a maximum of 2 joinpoints.

<sup>b</sup> API = Asian/Pacific Islander.

<sup>c</sup> AI/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the CHSDA (Contract Health Service Delivery Area) counties.

<sup>d</sup> Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. Mortality data for Hispanics exclude cases from Connecticut, the District of Columbia, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma, and Vermont.

Table 12.15  
Cancer of the Larynx (Invasive)

SEER Incidence and U.S. Mortality  
Age-Adjusted Rates and Trends<sup>a</sup>  
By Race/Ethnicity and Sex

SEER Incidence	SEER 17 Areas <sup>b</sup>			SEER 13 Areas <sup>b</sup>			SEER 9 Areas <sup>b</sup>		
	Rate 2003-2007			Trend 1998-2007 <sup>c</sup>			Trend 1998-2007 <sup>d</sup>		
	Rate per 100,000 persons			AAPC (%)			AAPC (%)		
RACE/ETHNICITY	Total	Males	Females	Total	Males	Females	Total	Males	Females
All Races	3.4	6.1	1.3	-3.0*	-3.1*	-3.1*	-2.6*	-2.8*	-2.6*
White	3.4	6.1	1.3	-2.8*	-2.9*	-2.7*	-2.6*	-2.9*	-2.3*
White Hispanic <sup>e</sup>	2.4	4.7	0.6	-2.5*	-2.5*	-	-	-	-
White Non-Hispanic <sup>e</sup>	3.6	6.3	1.4	-2.7*	-2.9*	-2.5*	-	-	-
Black	5.4	10.3	1.9	-3.3*	-3.3*	-3.3*	-2.8*	-2.7*	-2.8*
Asian/Pacific Islander	1.2	2.4	0.3	-3.8*	-3.5*	-	-	-	-
Amer Ind/Alaska Nat <sup>f</sup>	1.5	2.4	-	-	-	-	-	-	-
Hispanic <sup>e</sup>	2.4	4.6	0.6	-2.4*	-2.4*	-	-	-	-

U.S. Mortality <sup>g</sup>	Rate 2003-2007			Trend 1998-2007 <sup>h</sup>		
	Rate per 100,000 persons			AAPC (%)		
	Total	Males	Females	Total	Males	Females

RACE/ETHNICITY

All Races

White

    White Hispanic<sup>e</sup>

    White Non-Hispanic<sup>e</sup>

Black

Asian/Pacific Islander

Amer Ind/Alaska Nat

    Total U.S.

    CHSDA Counties

    Non-CHSDA Counties

Hispanic<sup>e</sup>

- The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 3.4.3, April 2010, National Cancer Institute.
- Statistic not shown. Rate based on less than 16 cases for the time interval.
- a Trend based on less than 10 cases for at least one year within the time interval.
- a Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).
- b The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.
- b The SEER 13 areas comprise the SEER 9 areas plus San Jose-Monterey, Los Angeles, the Alaska Native Registry and Rural Georgia.
- b The SEER 17 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey.
- c The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 2 Joinpoints over diagnosis years 1992-2007.
- d The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 4 Joinpoints over diagnosis years 1975-2007.
- e Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The 2003-2007 Hispanic and Non-Hispanic death rates exclude deaths from the District of Columbia, Minnesota, New Hampshire and North Dakota. The 1998-2007 Hispanic and Non-Hispanic mortality trends exclude deaths from Connecticut, the District of Columbia, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma and Vermont.
- f Incidence data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
- g US Mortality Files, National Center for Health Statistics, CDC.
- h The 1998-2007 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2007.
- \* The APC is significantly different from zero (p<.05).

SEER Incidence and US Death Rates<sup>a</sup>

## Cancer of the Larynx, Both Sexes

Joinpoint Analyses for Whites and Blacks from 1975-2007

and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2007

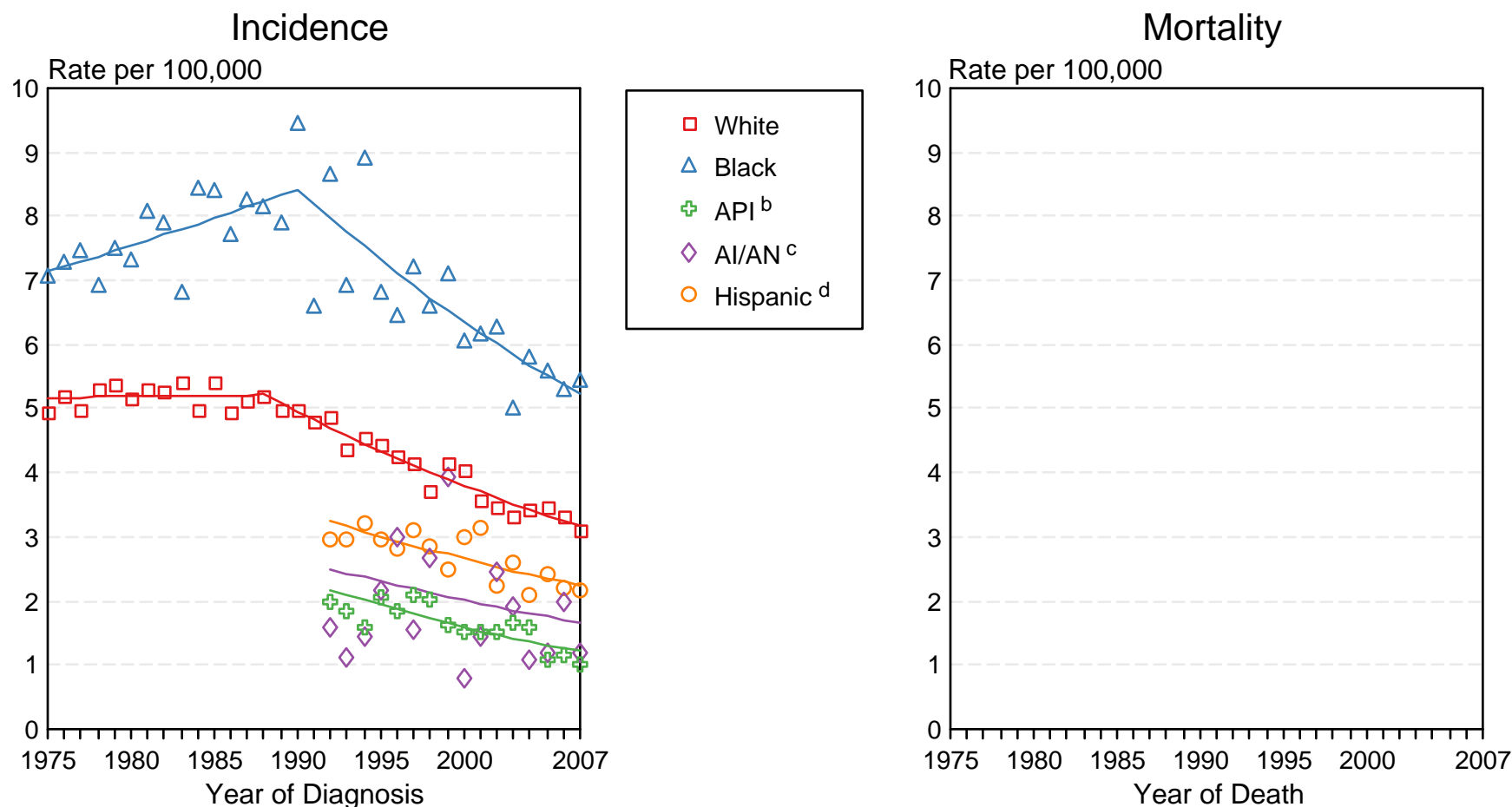


Figure 12.2

Source: Incidence data for whites and blacks are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta).

Incidence data for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics are from the SEER 13 Areas (SEER 9 Areas, San Jose-Monterey, Los Angeles, Alaska Native Registry and Rural Georgia). Mortality data are from US Mortality Files, National Center for Health Statistics, CDC.

<sup>a</sup> Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).

Regression lines are calculated using the Joinpoint Regression Program Version 3.4.3, April 2010, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2007 period allow a maximum of 4 joinpoints. Analyses for other ethnic groups during the period 1992-2007 allow a maximum of 2 joinpoints.

<sup>b</sup> API = Asian/Pacific Islander.

<sup>c</sup> AI/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the CHSDA (Contract Health Service Delivery Area) counties.

<sup>d</sup> Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. Mortality data for Hispanics exclude cases from Connecticut, the District of Columbia, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma, and Vermont.

Table 13.23  
Leukemia

SEER Incidence and U.S. Mortality  
Age-Adjusted Rates and Trends<sup>a</sup>  
By Race/Ethnicity and Sex

SEER Incidence	SEER 17 Areas <sup>b</sup>			SEER 13 Areas <sup>b</sup>			SEER 9 Areas <sup>b</sup>		
	Rate 2003-2007			Trend 1998-2007 <sup>c</sup>			Trend 1998-2007 <sup>d</sup>		
	Rate per 100,000 persons			AAPC (%)			AAPC (%)		
RACE/ETHNICITY	Total	Males	Females	Total	Males	Females	Total	Males	Females
All Races	12.3	15.8	9.6	-0.9*	-0.6*	-0.3	-1.1*	-1.3*	0.0
White	12.9	16.6	10.0	-0.3*	-0.6*	-0.1	-0.8*	-1.2*	0.2*
White Hispanic <sup>e</sup>	9.7	11.5	8.2	-0.4	-0.5	-0.4	-	-	-
White Non-Hispanic <sup>e</sup>	13.2	17.1	10.2	-0.2	-0.5*	0.0	-	-	-
Black	9.8	12.7	7.8	-0.6	-0.6	-0.4	-0.4*	-0.4*	-0.4
Asian/Pacific Islander	7.2	8.8	6.0	-0.9*	-0.8	-0.8*	-	-	-
Amer Ind/Alaska Nat <sup>f</sup>	6.5	7.2	5.9	1.5	-	-	-	-	-
Hispanic <sup>e</sup>	9.5	11.2	8.0	-0.3	-0.4	-0.2	-	-	-

U.S. Mortality <sup>g</sup>	Rate 2003-2007			Trend 1998-2007 <sup>h</sup>		
	Rate per 100,000 persons			AAPC (%)		
	Total	Males	Females	Total	Males	Females

RACE/ETHNICITY
All Races
White
White Hispanic <sup>e</sup>
White Non-Hispanic <sup>e</sup>
Black
Asian/Pacific Islander
Amer Ind/Alaska Nat
Total U.S.
CHSDA Counties
Non-CHSDA Counties
Hispanic <sup>e</sup>

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 3.4.3, April 2010, National Cancer Institute.

- Statistic not shown. Rate based on less than 16 cases for the time interval.

Trend based on less than 10 cases for at least one year within the time interval.

<sup>a</sup> Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

<sup>b</sup> The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 13 areas comprise the SEER 9 areas plus San Jose-Monterey, Los Angeles, the Alaska Native Registry and Rural Georgia.

The SEER 17 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey.

<sup>c</sup> The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 2 Joinpoints over diagnosis years 1992-2007.

<sup>d</sup> The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 4 Joinpoints over diagnosis years 1975-2007.

<sup>e</sup> Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The 2003-2007 Hispanic and Non-Hispanic death rates exclude deaths from the District of Columbia, Minnesota, New Hampshire and North Dakota. The 1998-2007 Hispanic and Non-Hispanic mortality trends exclude deaths from Connecticut, the District of Columbia, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma and Vermont.

<sup>f</sup> Incidence data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

<sup>g</sup> US Mortality Files, National Center for Health Statistics, CDC.

<sup>h</sup> The 1998-2007 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2007.

\* The APC is significantly different from zero (p<.05).

# SEER Incidence and US Death Rates<sup>a</sup> Leukemia, Both Sexes

Joinpoint Analyses for Whites and Blacks from 1975-2007  
and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2007

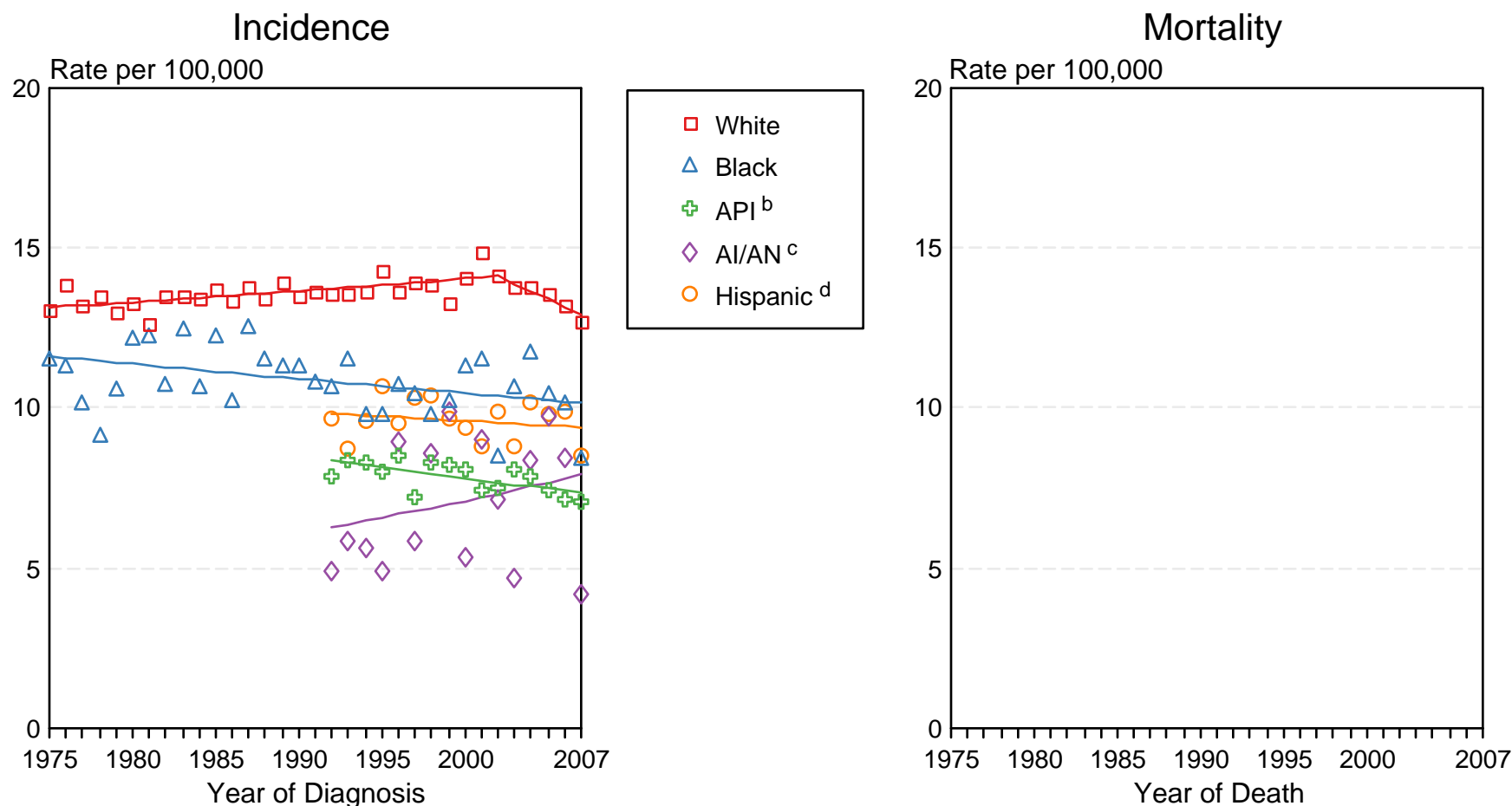


Figure 13.3

Source: Incidence data for whites and blacks are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta). Incidence data for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics are from the SEER 13 Areas (SEER 9 Areas, San Jose-Monterey, Los Angeles, Alaska Native Registry and Rural Georgia). Mortality data are from US Mortality Files, National Center for Health Statistics, CDC.

<sup>a</sup> Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).

Regression lines are calculated using the Joinpoint Regression Program Version 3.4.3, April 2010, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2007 period allow a maximum of 4 joinpoints. Analyses for other ethnic groups during the period 1992-2007 allow a maximum of 2 joinpoints.

<sup>b</sup> API = Asian/Pacific Islander.

<sup>c</sup> AI/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the CHSDA (Contract Health Service Delivery Area) counties.

<sup>d</sup> Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. Mortality data for Hispanics exclude cases from Connecticut, the District of Columbia, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma, and Vermont.

Table 14.15  
Cancer of the Liver and Intrahepatic Bile Duct (Invasive)

SEER Incidence and U.S. Mortality  
Age-Adjusted Rates and Trends<sup>a</sup>  
By Race/Ethnicity and Sex

SEER Incidence	SEER 17 Areas <sup>b</sup>			SEER 13 Areas <sup>b</sup>			SEER 9 Areas <sup>b</sup>		
	Rate 2003-2007			Trend 1998-2007 <sup>c</sup>			Trend 1998-2007 <sup>d</sup>		
	Rate per 100,000 persons			AAPC (%)			AAPC (%)		
RACE/ETHNICITY	Total	Males	Females	Total	Males	Females	Total	Males	Females
All Races	6.9	10.7	3.7	2.6*	3.2*	1.5*	2.7*	3.5*	1.7*
White	5.9	9.1	3.1	2.7	3.3*	1.0*	2.5*	3.2*	0.7
White Hispanic <sup>e</sup>	10.7	16.0	6.1	2.5*	2.3*	2.3*	-	-	-
White Non-Hispanic <sup>e</sup>	5.1	8.0	2.7	2.3	3.0*	0.6	-	-	-
Black	8.6	14.0	4.4	3.7*	4.0*	2.6*	3.1*	3.3*	2.6*
Asian/Pacific Islander	14.4	21.7	8.3	0.8*	0.9*	0.7	-	-	-
Amer Ind/Alaska Nat <sup>f</sup>	10.6	14.6	6.9	0.9	-	-	-	-	-
Hispanic <sup>e</sup>	10.5	15.6	6.0	2.7*	2.4*	2.4*	-	-	-

U.S. Mortality <sup>g</sup>	Rate 2003-2007			Trend 1998-2007 <sup>h</sup>		
	Rate per 100,000 persons			AAPC (%)		
	Total	Males	Females	Total	Males	Females
RACE/ETHNICITY						
All Races						
White						
White Hispanic <sup>e</sup>						
White Non-Hispanic <sup>e</sup>						
Black						
Asian/Pacific Islander						
Amer Ind/Alaska Nat						
Total U.S.						
CHSDA Counties						
Non-CHSDA Counties						
Hispanic <sup>e</sup>						

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 3.4.3, April 2010, National Cancer Institute.

- Statistic not shown. Rate based on less than 16 cases for the time interval.

Trend based on less than 10 cases for at least one year within the time interval.

<sup>a</sup> Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

<sup>b</sup> The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 13 areas comprise the SEER 9 areas plus San Jose-Monterey, Los Angeles, the Alaska Native Registry and Rural Georgia.

The SEER 17 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey.

<sup>c</sup> The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 2 Joinpoints over diagnosis years 1992-2007.

<sup>d</sup> The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 4 Joinpoints over diagnosis years 1975-2007.

<sup>e</sup> Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The 2003-2007 Hispanic and Non-Hispanic death rates exclude deaths from the District of Columbia, Minnesota, New Hampshire and North Dakota. The 1998-2007 Hispanic and Non-Hispanic mortality trends exclude deaths from Connecticut, the District of Columbia, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma and Vermont.

<sup>f</sup> Incidence data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

<sup>g</sup> US Mortality Files, National Center for Health Statistics, CDC.

<sup>h</sup> The 1998-2007 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2007.

\* The APC is significantly different from zero (p<.05).

# SEER Incidence and US Death Rates<sup>a</sup>

## Cancer of the Liver and Intrahepatic Bile Duct, Both Sexes

### Joinpoint Analyses for Whites and Blacks from 1975-2007

### and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2007

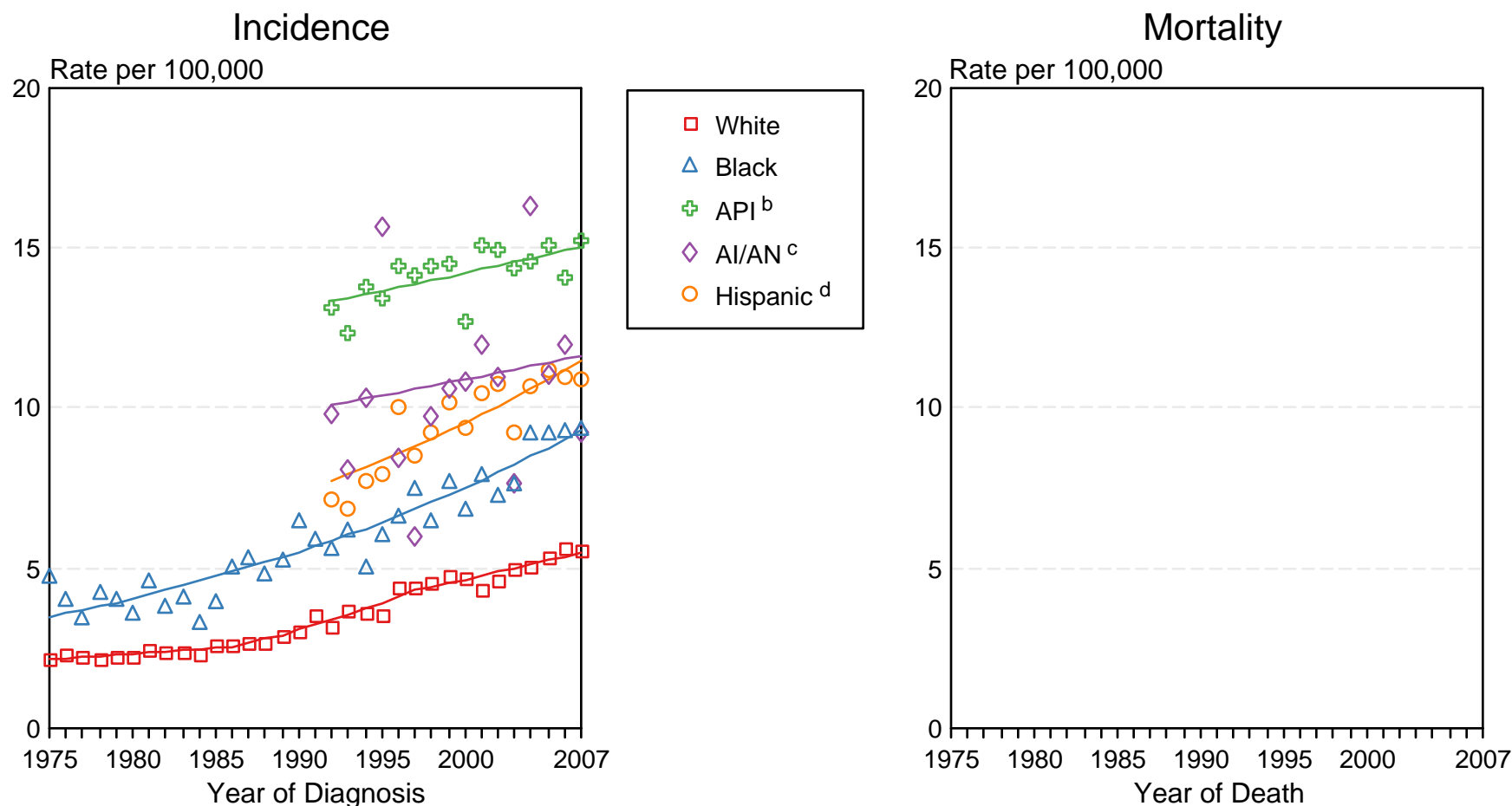


Figure 14.2

Source: Incidence data for whites and blacks are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta). Incidence data for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics are from the SEER 13 Areas (SEER 9 Areas, San Jose-Monterey, Los Angeles, Alaska Native Registry and Rural Georgia). Mortality data are from US Mortality Files, National Center for Health Statistics, CDC.

<sup>a</sup> Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).

Regression lines are calculated using the Joinpoint Regression Program Version 3.4.3, April 2010, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2007 period allow a maximum of 4 joinpoints. Analyses for other ethnic groups during the period 1992-2007 allow a maximum of 2 joinpoints.

<sup>b</sup> API = Asian/Pacific Islander.

<sup>c</sup> AI/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the CHSDA (Contract Health Service Delivery Area) counties.

<sup>d</sup> Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. Mortality data for Hispanics exclude cases from Connecticut, the District of Columbia, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma, and Vermont.

Table 15.21  
Lung and Bronchus (Invasive)

SEER Incidence and U.S. Mortality  
Age-Adjusted Rates and Trends<sup>a</sup>  
By Race/Ethnicity and Sex

SEER Incidence	SEER 17 Areas <sup>b</sup>			SEER 13 Areas <sup>b</sup>			SEER 9 Areas <sup>b</sup>		
	Rate 2003-2007			Trend 1998-2007 <sup>c</sup>			Trend 1998-2007 <sup>d</sup>		
	Rate per 100,000 persons			AAPC (%)			AAPC (%)		
RACE/ETHNICITY	Total	Males	Females	Total	Males	Females	Total	Males	Females
All Races	62.5	76.2	52.4	-1.2*	-2.1*	-0.6*	-0.8*	-2.0*	-0.1
White	63.8	76.3	54.7	-1.4*	-2.1*	-0.5*	-1.1*	-2.2*	0.0
White Hispanic <sup>e</sup>	32.7	42.1	25.8	-1.8*	-2.5*	-1.1*	-	-	-
White Non-Hispanic <sup>e</sup>	68.3	81.1	59.0	-1.2*	-1.9*	-0.3	-	-	-
Black	73.5	101.2	54.8	-1.5*	-2.8*	0.3	-2.0*	-3.4*	0.3
Asian/Pacific Islander	38.7	52.9	28.1	-1.2	-1.2*	0.2	-	-	-
Amer Ind/Alaska Nat <sup>f</sup>	45.3	52.7	39.7	-0.5	-2.1*	1.7	-	-	-
Hispanic <sup>e</sup>	32.1	41.4	25.4	-1.7*	-2.3*	-1.0*	-	-	-

U.S. Mortality <sup>g</sup>	Rate 2003-2007			Trend 1998-2007 <sup>h</sup>		
	Rate per 100,000 persons			AAPC (%)		
	Total	Males	Females	Total	Males	Females
RACE/ETHNICITY						
All Races						
White						
White Hispanic <sup>e</sup>						
White Non-Hispanic <sup>e</sup>						
Black						
Asian/Pacific Islander						
Amer Ind/Alaska Nat						
Total U.S.						
CHSDA Counties						
Non-CHSDA Counties						
Hispanic <sup>e</sup>						

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 3.4.3, April 2010, National Cancer Institute.

- Statistic not shown. Rate based on less than 16 cases for the time interval.

Trend based on less than 10 cases for at least one year within the time interval.

<sup>a</sup> Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

<sup>b</sup> The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 13 areas comprise the SEER 9 areas plus San Jose-Monterey, Los Angeles, the Alaska Native Registry and Rural Georgia.

The SEER 17 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey.

<sup>c</sup> The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 2 Joinpoints over diagnosis years 1992-2007.

<sup>d</sup> The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 4 Joinpoints over diagnosis years 1975-2007.

<sup>e</sup> Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The 2003-2007 Hispanic and Non-Hispanic death rates exclude deaths from the District of Columbia, Minnesota, New Hampshire and North Dakota. The 1998-2007 Hispanic and Non-Hispanic mortality trends exclude deaths from Connecticut, the District of Columbia, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma and Vermont.

<sup>f</sup> Incidence data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

<sup>g</sup> US Mortality Files, National Center for Health Statistics, CDC.

<sup>h</sup> The 1998-2007 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2007.

\* The APC is significantly different from zero (p<.05).

# SEER Incidence and US Death Rates<sup>a</sup> Cancer of the Lung and Bronchus, Both Sexes

## Joinpoint Analyses for Whites and Blacks from 1975-2007

and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2007

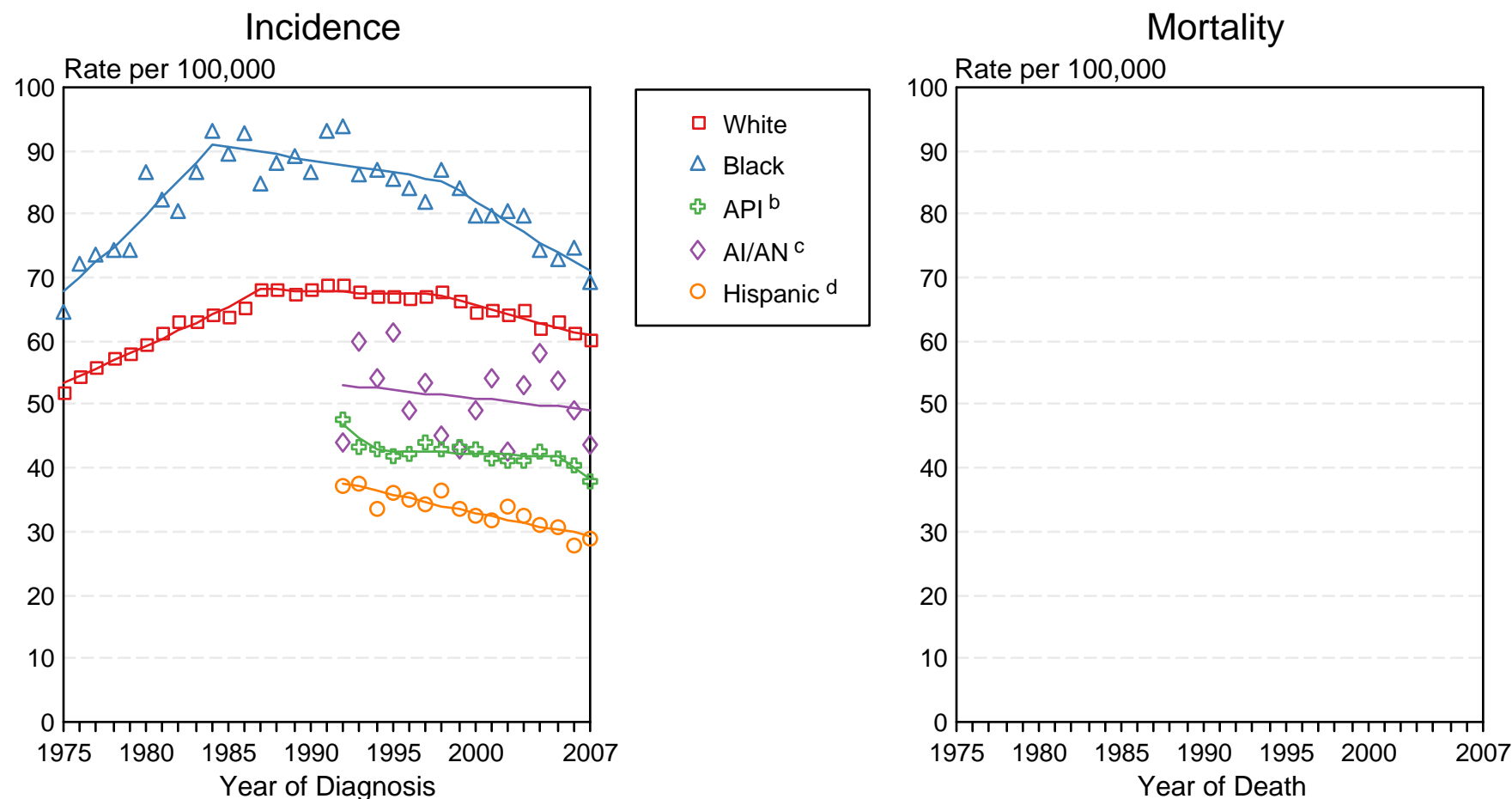


Figure 15.4

Source: Incidence data for whites and blacks are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta). Incidence data for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics are from the SEER 13 Areas (SEER 9 Areas, San Jose-Monterey, Los Angeles, Alaska Native Registry and Rural Georgia). Mortality data are from US Mortality Files, National Center for Health Statistics, CDC.

<sup>a</sup> Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).

Regression lines are calculated using the Joinpoint Regression Program Version 3.4.3, April 2010, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2007 period allow a maximum of 4 joinpoints. Analyses for other ethnic groups during the period 1992-2007 allow a maximum of 2 joinpoints.

<sup>b</sup> API = Asian/Pacific Islander.

<sup>c</sup> AI/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

<sup>d</sup> Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. Mortality data for Hispanics exclude cases from Connecticut, the District of Columbia, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma, and Vermont.

Table 16.15  
Melanoma of the Skin (Invasive)

SEER Incidence and U.S. Mortality  
Age-Adjusted Rates and Trends<sup>a</sup>  
By Race/Ethnicity and Sex

SEER Incidence	SEER 17 Areas <sup>b</sup>			SEER 13 Areas <sup>b</sup>			SEER 9 Areas <sup>b</sup>		
	Rate 2003-2007			Trend 1998-2007 <sup>c</sup>			Trend 1998-2007 <sup>d</sup>		
	Rate per 100,000 persons			AAPC (%)			AAPC (%)		
RACE/ETHNICITY	Total	Males	Females	Total	Males	Females	Total	Males	Females
All Races	20.1	25.6	16.2	1.6*	1.7*	1.5*	2.6*	2.0*	2.3*
White	23.5	29.7	19.1	2.6*	2.6*	2.0*	2.1*	2.2*	2.3*
White Hispanic <sup>e</sup>	4.5	4.4	4.8	-0.8	1.3	0.7	-	-	-
White Non-Hispanic <sup>e</sup>	27.4	34.3	22.6	3.1*	3.1*	3.2*	-	-	-
Black	1.0	1.1	1.0	-3.5*	-	-	-0.3	0.2	-0.7
Asian/Pacific Islander	1.4	1.6	1.3	1.4	1.6	1.4	-	-	-
Amer Ind/Alaska Nat <sup>f</sup>	3.8	4.1	3.7	-	-	-	-	-	-
Hispanic <sup>e</sup>	4.5	4.4	4.7	-1.0	1.1	0.6	-	-	-

U.S. Mortality <sup>g</sup>	Rate 2003-2007			Trend 1998-2007 <sup>h</sup>		
	Rate per 100,000 persons			AAPC (%)		
	Total	Males	Females	Total	Males	Females
RACE/ETHNICITY						
All Races						
White						
White Hispanic <sup>e</sup>						
White Non-Hispanic <sup>e</sup>						
Black						
Asian/Pacific Islander						
Amer Ind/Alaska Nat						
Total U.S.						
CHSDA Counties						
Non-CHSDA Counties						
Hispanic <sup>e</sup>						

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 3.4.3, April 2010, National Cancer Institute.

- Statistic not shown. Rate based on less than 16 cases for the time interval.

Trend based on less than 10 cases for at least one year within the time interval.

<sup>a</sup> Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

<sup>b</sup> The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 13 areas comprise the SEER 9 areas plus San Jose-Monterey, Los Angeles, the Alaska Native Registry and Rural Georgia.

The SEER 17 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey.

<sup>c</sup> The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 2 Joinpoints over diagnosis years 1992-2007.

<sup>d</sup> The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 4 Joinpoints over diagnosis years 1975-2007.

<sup>e</sup> Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The 2003-2007 Hispanic and Non-Hispanic death rates exclude deaths from the District of Columbia, Minnesota, New Hampshire and North Dakota. The 1998-2007 Hispanic and Non-Hispanic mortality trends exclude deaths from Connecticut, the District of Columbia, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma and Vermont.

<sup>f</sup> Incidence data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

<sup>g</sup> US Mortality Files, National Center for Health Statistics, CDC.

<sup>h</sup> The 1998-2007 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2007.

\* The APC is significantly different from zero (p<.05).

# SEER Incidence and US Death Rates<sup>a</sup> Melanoma of the Skin, Both Sexes

Joinpoint Analyses for Whites and Blacks from 1975-2007  
and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2007

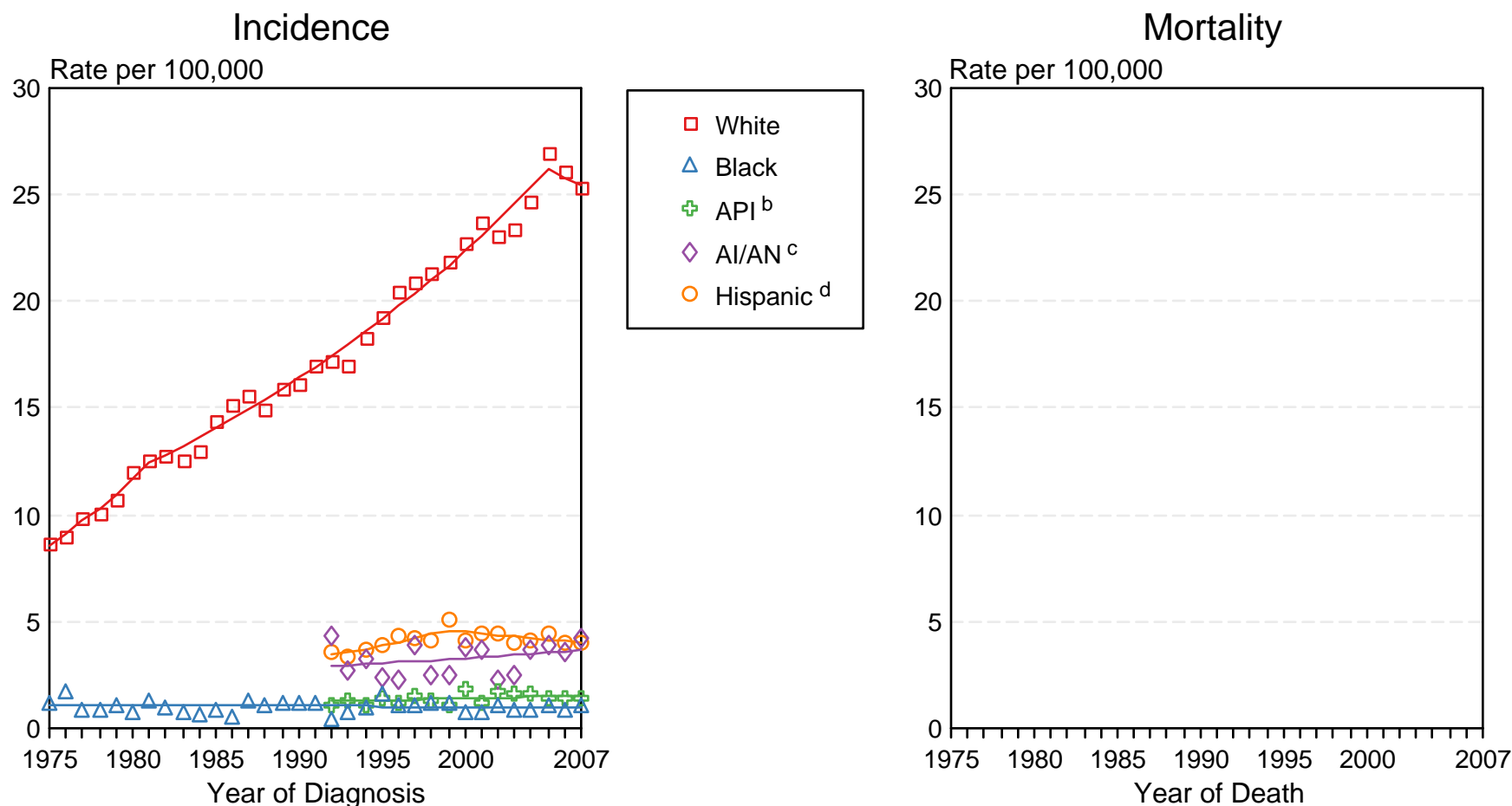


Figure 16.2

Source: Incidence data for whites and blacks are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta). Incidence data for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics are from the SEER 13 Areas (SEER 9 Areas, San Jose-Monterey, Los Angeles, Alaska Native Registry and Rural Georgia). Mortality data are from US Mortality Files, National Center for Health Statistics, CDC.

<sup>a</sup> Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).

Regression lines are calculated using the Joinpoint Regression Program Version 3.4.3, April 2010, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2007 period allow a maximum of 4 joinpoints. Analyses for other ethnic groups during the period 1992-2007 allow a maximum of 2 joinpoints.

<sup>b</sup> API = Asian/Pacific Islander.

<sup>c</sup> AI/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

<sup>d</sup> Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. Mortality data for Hispanics exclude cases from Connecticut, the District of Columbia, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma, and Vermont.

Table 17.11  
Mesothelioma

SEER Incidence  
Age-Adjusted Rates and Trends<sup>a</sup>  
By Race/Ethnicity and Sex

SEER Incidence RACE/ETHNICITY	SEER 17 Areas <sup>b</sup> Rate 2003-2007 Rate per 100,000 persons			SEER 13 Areas <sup>b</sup> Trend 1998-2007 <sup>c</sup> AAPC (%)			SEER 9 Areas <sup>b</sup> Trend 1998-2007 <sup>d</sup> AAPC (%)		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
All Races	1.1	1.9	0.4	-1.1*	-1.6*	1.0	-1.2*	-1.8*	0.0
White	1.2	2.1	0.5	-0.7*	-1.3*	0.8*	-0.7	-1.5*	0.9*
White Hispanic <sup>e</sup>	1.0	1.6	0.5	-2.5*	-3.2*	-	-	-	-
White Non-Hispanic <sup>e</sup>	1.2	2.2	0.5	-0.6*	-1.1*	0.6	-	-	-
Black	0.6	1.2	0.3	-	-	-	-7.0*	-7.9*	-
Asian/Pacific Islander	0.4	0.6	0.2	-	-	-	-	-	-
Amer Ind/Alaska Nat <sup>f</sup>	0.8	-	-	-	-	-	-	-	-
Hispanic <sup>e</sup>	0.9	1.5	0.5	-2.3*	-3.0*	-	-	-	-

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 3.4.3, April 2010, National Cancer Institute.

- Statistic not shown. Rate based on less than 16 cases for the time interval.

Trend based on less than 10 cases for at least one year within the time interval.

<sup>a</sup> Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

<sup>b</sup> The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 13 areas comprise the SEER 9 areas plus San Jose-Monterey, Los Angeles, the Alaska Native Registry and Rural Georgia.

The SEER 17 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey.

<sup>c</sup> The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 2 Joinpoints over diagnosis years 1992-2007.

<sup>d</sup> The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 4 Joinpoints over diagnosis years 1975-2007.

<sup>e</sup> Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry.

<sup>f</sup> Incidence data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

\* The APC is significantly different from zero (p<.05).

Table 18.15  
Myeloma

SEER Incidence and U.S. Mortality  
Age-Adjusted Rates and Trends<sup>a</sup>  
By Race/Ethnicity and Sex

SEER Incidence	SEER 17 Areas <sup>b</sup>			SEER 13 Areas <sup>b</sup>			SEER 9 Areas <sup>b</sup>		
	Rate 2003-2007			Trend 1998-2007 <sup>c</sup>			Trend 1998-2007 <sup>d</sup>		
	Rate per 100,000 persons			AAPC (%)			AAPC (%)		
RACE/ETHNICITY	Total	Males	Females	Total	Males	Females	Total	Males	Females
All Races	5.6	7.1	4.5	-1.1	-0.2	-1.8	-0.7*	-0.1	-1.1*
White	5.2	6.7	4.1	-0.2	-0.1	-1.8	-0.6	-0.5	-1.2*
White Hispanic <sup>e</sup>	5.4	6.4	4.6	-2.4	-0.9	-0.5	-	-	-
White Non-Hispanic <sup>e</sup>	5.2	6.7	4.0	-0.2	0.0	-0.7*	-	-	-
Black	11.7	14.3	10.0	-0.4	-0.1	-0.8	-0.9	0.2	-1.4
Asian/Pacific Islander	3.3	4.0	2.8	-0.7	-1.3*	0.1	-	-	-
Amer Ind/Alaska Nat <sup>f</sup>	4.5	4.8	4.4	-	-	-	-	-	-
Hispanic <sup>e</sup>	5.3	6.3	4.6	-2.1	-0.6	-0.4	-	-	-

U.S. Mortality <sup>g</sup>	Rate 2003-2007			Trend 1998-2007 <sup>h</sup>		
	Rate per 100,000 persons			AAPC (%)		
	Total	Males	Females	Total	Males	Females
RACE/ETHNICITY						
All Races						
White						
White Hispanic <sup>e</sup>						
White Non-Hispanic <sup>e</sup>						
Black						
Asian/Pacific Islander						
Amer Ind/Alaska Nat						
Total U.S.						
CHSDA Counties						
Non-CHSDA Counties						
Hispanic <sup>e</sup>						

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 3.4.3, April 2010, National Cancer Institute.

- Statistic not shown. Rate based on less than 16 cases for the time interval.

Trend based on less than 10 cases for at least one year within the time interval.

<sup>a</sup> Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

<sup>b</sup> The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 13 areas comprise the SEER 9 areas plus San Jose-Monterey, Los Angeles, the Alaska Native Registry and Rural Georgia.

The SEER 17 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey.

<sup>c</sup> The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 2 Joinpoints over diagnosis years 1992-2007.

<sup>d</sup> The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 4 Joinpoints over diagnosis years 1975-2007.

<sup>e</sup> Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The 2003-2007 Hispanic and Non-Hispanic death rates exclude deaths from the District of Columbia, Minnesota, New Hampshire and North Dakota. The 1998-2007 Hispanic and Non-Hispanic mortality trends exclude deaths from Connecticut, the District of Columbia, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma and Vermont.

<sup>f</sup> Incidence data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

<sup>g</sup> US Mortality Files, National Center for Health Statistics, CDC.

<sup>h</sup> The 1998-2007 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2007.

\* The APC is significantly different from zero (p<.05).

# SEER Incidence and US Death Rates<sup>a</sup> Myeloma, Both Sexes

Joinpoint Analyses for Whites and Blacks from 1975-2007  
and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2007

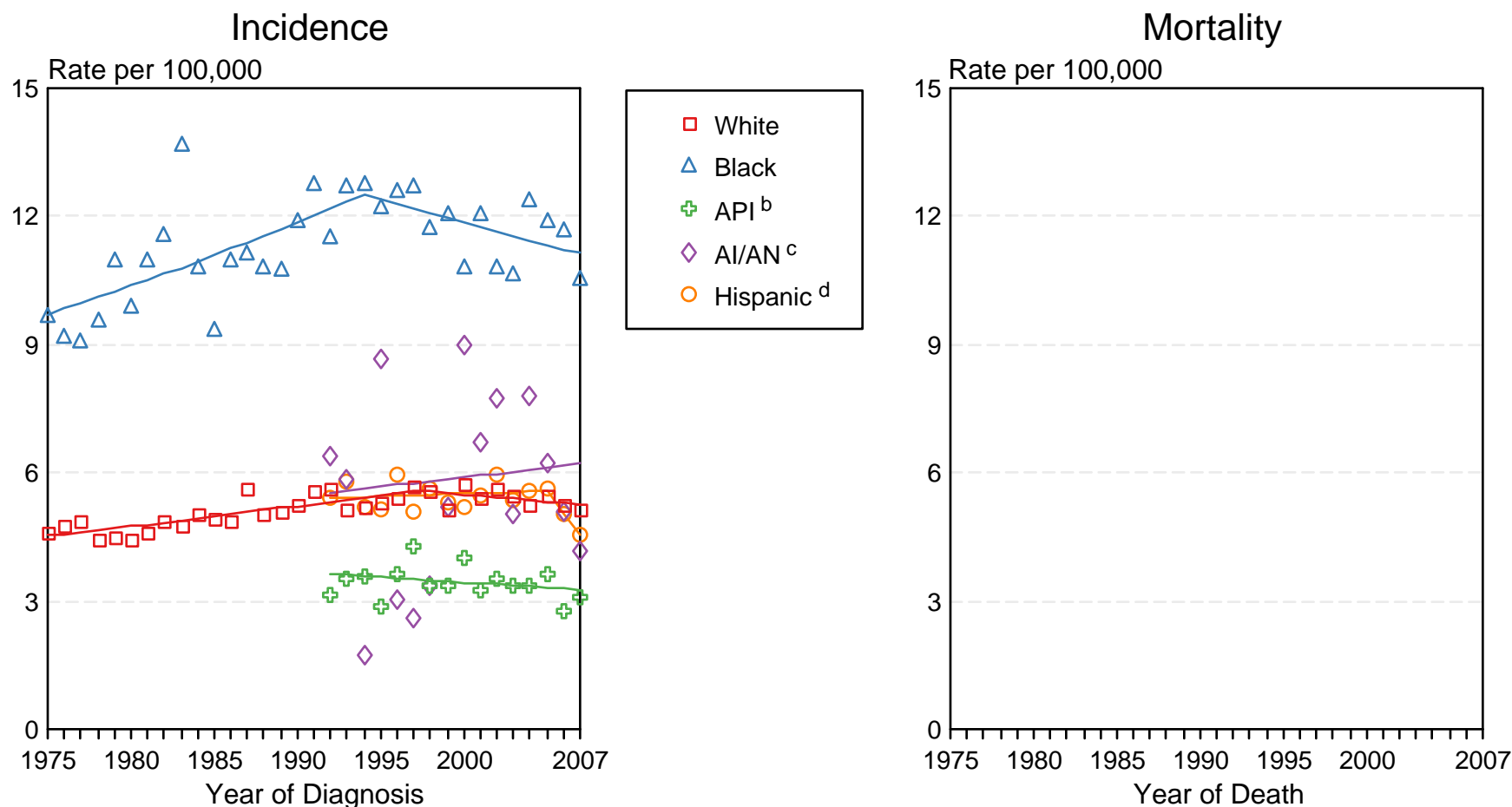


Figure 18.2

Source: Incidence data for whites and blacks are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta). Incidence data for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics are from the SEER 13 Areas (SEER 9 Areas, San Jose-Monterey, Los Angeles, Alaska Native Registry and Rural Georgia). Mortality data are from US Mortality Files, National Center for Health Statistics, CDC.

<sup>a</sup> Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).

Regression lines are calculated using the Joinpoint Regression Program Version 3.4.3, April 2010, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2007 period allow a maximum of 4 joinpoints. Analyses for other ethnic groups during the period 1992-2007 allow a maximum of 2 joinpoints.

<sup>b</sup> API = Asian/Pacific Islander.

<sup>c</sup> AI/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

<sup>d</sup> Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. Mortality data for Hispanics exclude cases from Connecticut, the District of Columbia, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma, and Vermont.

Table 19.19  
Non-Hodgkin Lymphoma

SEER Incidence and U.S. Mortality  
Age-Adjusted Rates and Trends<sup>a</sup>  
By Race/Ethnicity and Sex

SEER Incidence	SEER 17 Areas <sup>b</sup>			SEER 13 Areas <sup>b</sup>			SEER 9 Areas <sup>b</sup>		
	Rate 2003-2007			Trend 1998-2007 <sup>c</sup>			Trend 1998-2007 <sup>d</sup>		
	Rate per 100,000 persons			AAPC (%)			AAPC (%)		
RACE/ETHNICITY	Total	Males	Females	Total	Males	Females	Total	Males	Females
All Races	19.6	23.6	16.5	0.3*	-0.1	0.2	0.5*	0.2	0.3
White	20.5	24.6	17.2	0.3*	0.0	0.3	0.5*	0.3*	1.0*
White Hispanic <sup>e</sup>	16.8	19.2	14.8	-0.3	-0.8*	0.5	-	-	-
White Non-Hispanic <sup>e</sup>	21.1	25.5	17.6	0.5*	0.2	0.4	-	-	-
Black	14.7	17.8	12.3	0.5	-0.5	2.0*	-0.2	-0.8	2.5*
Asian/Pacific Islander	12.9	15.7	10.8	-0.2	-0.4	0.2	-	-	-
Amer Ind/Alaska Nat <sup>f</sup>	11.4	12.5	10.6	2.6	-	-	-	-	-
Hispanic <sup>e</sup>	16.5	18.7	14.5	-0.1	-0.6	0.6*	-	-	-

U.S. Mortality <sup>g</sup>	Rate 2003-2007			Trend 1998-2007 <sup>h</sup>		
	Rate per 100,000 persons			AAPC (%)		
	Total	Males	Females	Total	Males	Females
RACE/ETHNICITY						
All Races						
White						
White Hispanic <sup>e</sup>						
White Non-Hispanic <sup>e</sup>						
Black						
Asian/Pacific Islander						
Amer Ind/Alaska Nat						
Total U.S.						
CHSDA Counties						
Non-CHSDA Counties						
Hispanic <sup>e</sup>						

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 3.4.3, April 2010, National Cancer Institute.

- Statistic not shown. Rate based on less than 16 cases for the time interval.

Trend based on less than 10 cases for at least one year within the time interval.

a Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends

are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

b The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 13 areas comprise the SEER 9 areas plus San Jose-Monterey, Los Angeles, the Alaska Native Registry and Rural Georgia.

The SEER 17 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey.

c The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 2 Joinpoints over diagnosis years 1992-2007.

d The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 4 Joinpoints over diagnosis years 1975-2007.

e Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The 2003-2007 Hispanic and Non-Hispanic death rates exclude deaths from the District of Columbia, Minnesota, New Hampshire and North Dakota. The 1998-2007 Hispanic and Non-Hispanic mortality trends exclude deaths from Connecticut, the District of Columbia, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma and Vermont.

f Incidence data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

g US Mortality Files, National Center for Health Statistics, CDC.

h The 1998-2007 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2007.

\* The APC is significantly different from zero (p<.05).

# SEER Incidence and US Death Rates<sup>a</sup> Non-Hodgkin Lymphoma, Both Sexes

Joinpoint Analyses for Whites and Blacks from 1975-2007  
and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2007

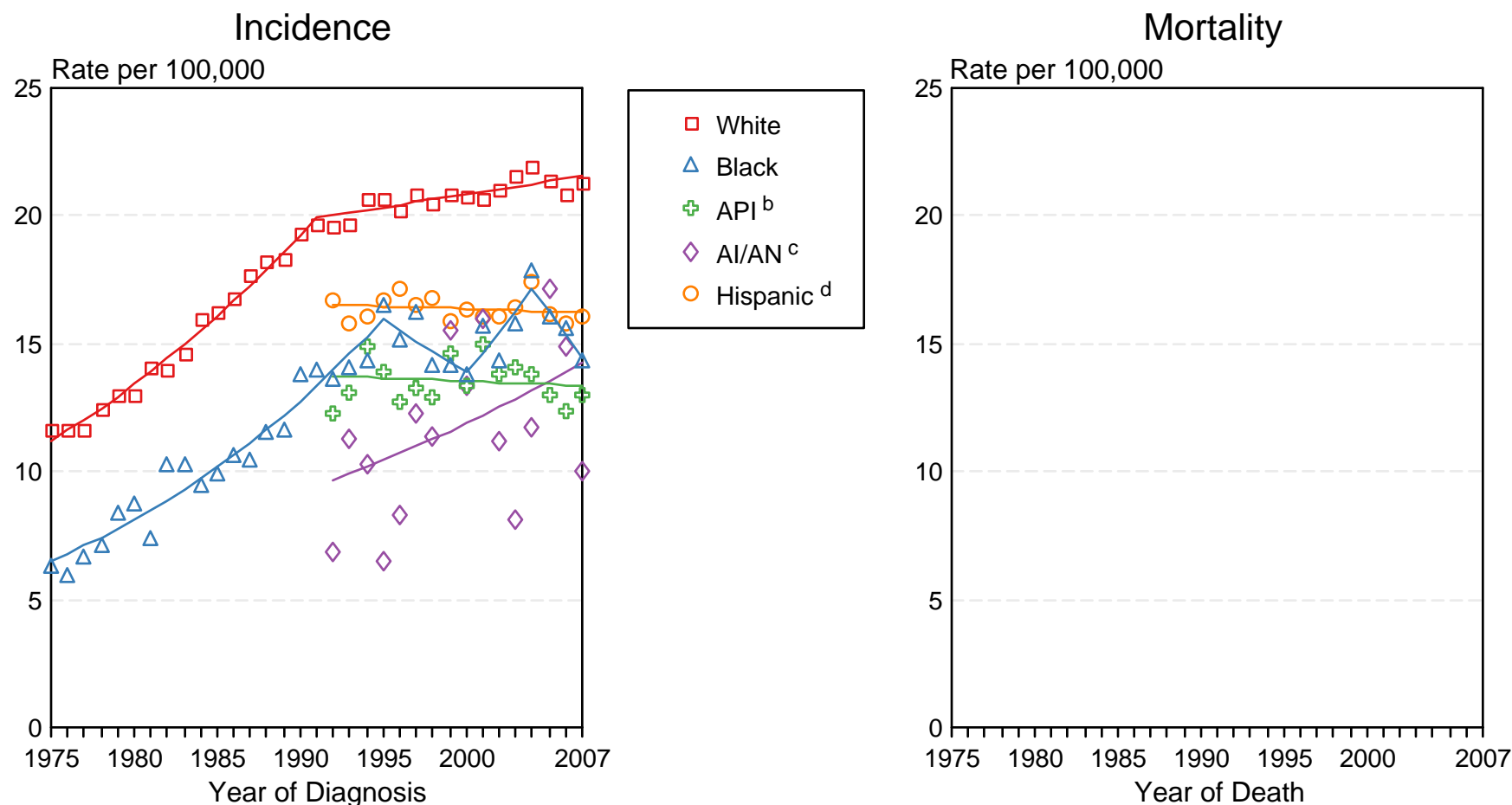


Figure 19.2

Source: Incidence data for whites and blacks are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta). Incidence data for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics are from the SEER 13 Areas (SEER 9 Areas, San Jose-Monterey, Los Angeles, Alaska Native Registry and Rural Georgia). Mortality data are from US Mortality Files, National Center for Health Statistics, CDC.

<sup>a</sup> Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).

Regression lines are calculated using the Joinpoint Regression Program Version 3.4.3, April 2010, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2007 period allow a maximum of 4 joinpoints. Analyses for other ethnic groups during the period 1992-2007 allow a maximum of 2 joinpoints.

<sup>b</sup> API = Asian/Pacific Islander.

<sup>c</sup> AI/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the CHSDA (Contract Health Service Delivery Area) counties.

<sup>d</sup> Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. Mortality data for Hispanics exclude cases from Connecticut, the District of Columbia, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma, and Vermont.

Table 20.19  
Cancer of the Oral Cavity and Pharynx (Invasive)

SEER Incidence and U.S. Mortality  
Age-Adjusted Rates and Trends<sup>a</sup>  
By Race/Ethnicity and Sex

SEER Incidence	SEER 17 Areas <sup>b</sup>			SEER 13 Areas <sup>b</sup>			SEER 9 Areas <sup>b</sup>		
	Rate 2003-2007			Trend 1998-2007 <sup>c</sup>			Trend 1998-2007 <sup>d</sup>		
	Rate per 100,000 persons			AAPC (%)			AAPC (%)		
RACE/ETHNICITY	Total	Males	Females	Total	Males	Females	Total	Males	Females
All Races	10.4	15.4	6.1	-1.3*	-1.5*	-1.2*	-1.1*	-1.2*	-1.0*
White	10.5	15.7	6.1	-1.1*	-1.2*	-1.3*	-0.9*	-1.1*	-0.9*
White Hispanic <sup>e</sup>	6.0	8.8	3.7	-2.2*	-2.7*	-1.7*	-	-	-
White Non-Hispanic <sup>e</sup>	11.3	16.9	6.5	-0.8*	-0.9*	-1.1*	-	-	-
Black	10.2	16.1	5.8	-2.8*	-3.4*	-1.4*	-2.6*	-3.3*	-1.5*
Asian/Pacific Islander	7.6	10.5	5.3	-1.3*	-1.6*	-0.8	-	-	-
Amer Ind/Alaska Nat <sup>f</sup>	7.3	9.6	5.2	-3.9*	-	-	-	-	-
Hispanic <sup>e</sup>	5.9	8.7	3.6	-2.1*	-2.5*	-1.7*	-	-	-

U.S. Mortality <sup>g</sup>	Rate 2003-2007			Trend 1998-2007 <sup>h</sup>		
	Rate per 100,000 persons			AAPC (%)		
	Total	Males	Females	Total	Males	Females
RACE/ETHNICITY						
All Races						
White						
White Hispanic <sup>e</sup>						
White Non-Hispanic <sup>e</sup>						
Black						
Asian/Pacific Islander						
Amer Ind/Alaska Nat						
Total U.S.						
CHSDA Counties						
Non-CHSDA Counties						
Hispanic <sup>e</sup>						

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 3.4.3, April 2010, National Cancer Institute.

- Statistic not shown. Rate based on less than 16 cases for the time interval.

Trend based on less than 10 cases for at least one year within the time interval.

<sup>a</sup> Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).  
<sup>b</sup> The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 13 areas comprise the SEER 9 areas plus San Jose-Monterey, Los Angeles, the Alaska Native Registry and Rural Georgia.

The SEER 17 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey.

<sup>c</sup> The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 2 Joinpoints over diagnosis years 1992-2007.

<sup>d</sup> The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 4 Joinpoints over diagnosis years 1975-2007.

<sup>e</sup> Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The 2003-2007 Hispanic and Non-Hispanic death rates exclude deaths from the District of Columbia, Minnesota, New Hampshire and North Dakota. The 1998-2007 Hispanic and Non-Hispanic mortality trends exclude deaths from Connecticut, the District of Columbia, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma and Vermont.

<sup>f</sup> Incidence data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

<sup>g</sup> US Mortality Files, National Center for Health Statistics, CDC.

<sup>h</sup> The 1998-2007 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2007.

\* The APC is significantly different from zero (p<.05).

# SEER Incidence and US Death Rates<sup>a</sup> Cancer of the Oral Cavity and Pharynx, Both Sexes Joinpoint Analyses for Whites and Blacks from 1975-2007 and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2007

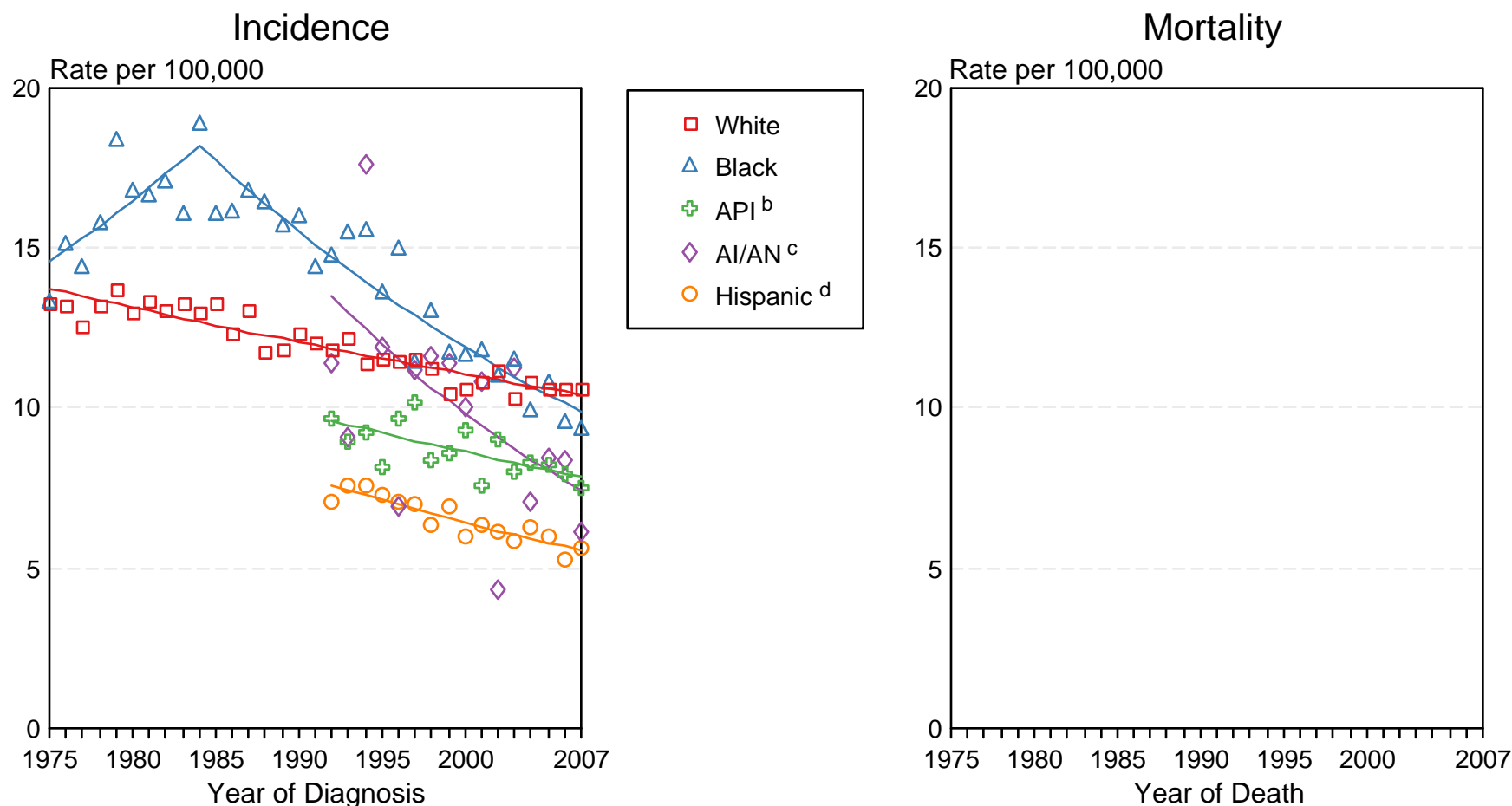


Figure 20.2

Source: Incidence data for whites and blacks are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta). Incidence data for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics are from the SEER 13 Areas (SEER 9 Areas, San Jose-Monterey, Los Angeles, Alaska Native Registry and Rural Georgia). Mortality data are from US Mortality Files, National Center for Health Statistics, CDC.

<sup>a</sup> Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).

Regression lines are calculated using the Joinpoint Regression Program Version 3.4.3, April 2010, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2007 period allow a maximum of 4 joinpoints. Analyses for other ethnic groups during the period 1992-2007 allow a maximum of 2 joinpoints.

<sup>b</sup> API = Asian/Pacific Islander.

<sup>c</sup> AI/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the CHSDA (Contract Health Service Delivery Area) counties.

<sup>d</sup> Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. Mortality data for Hispanics exclude cases from Connecticut, the District of Columbia, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma, and Vermont.

# SEER Incidence Rates<sup>a</sup>

## Cancer of the Oral Cavity and Pharyngeal for Selected Subsites, Both Sexes

### Joinpoint Analyses for Whites and Blacks from 1975-2007

### and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2007

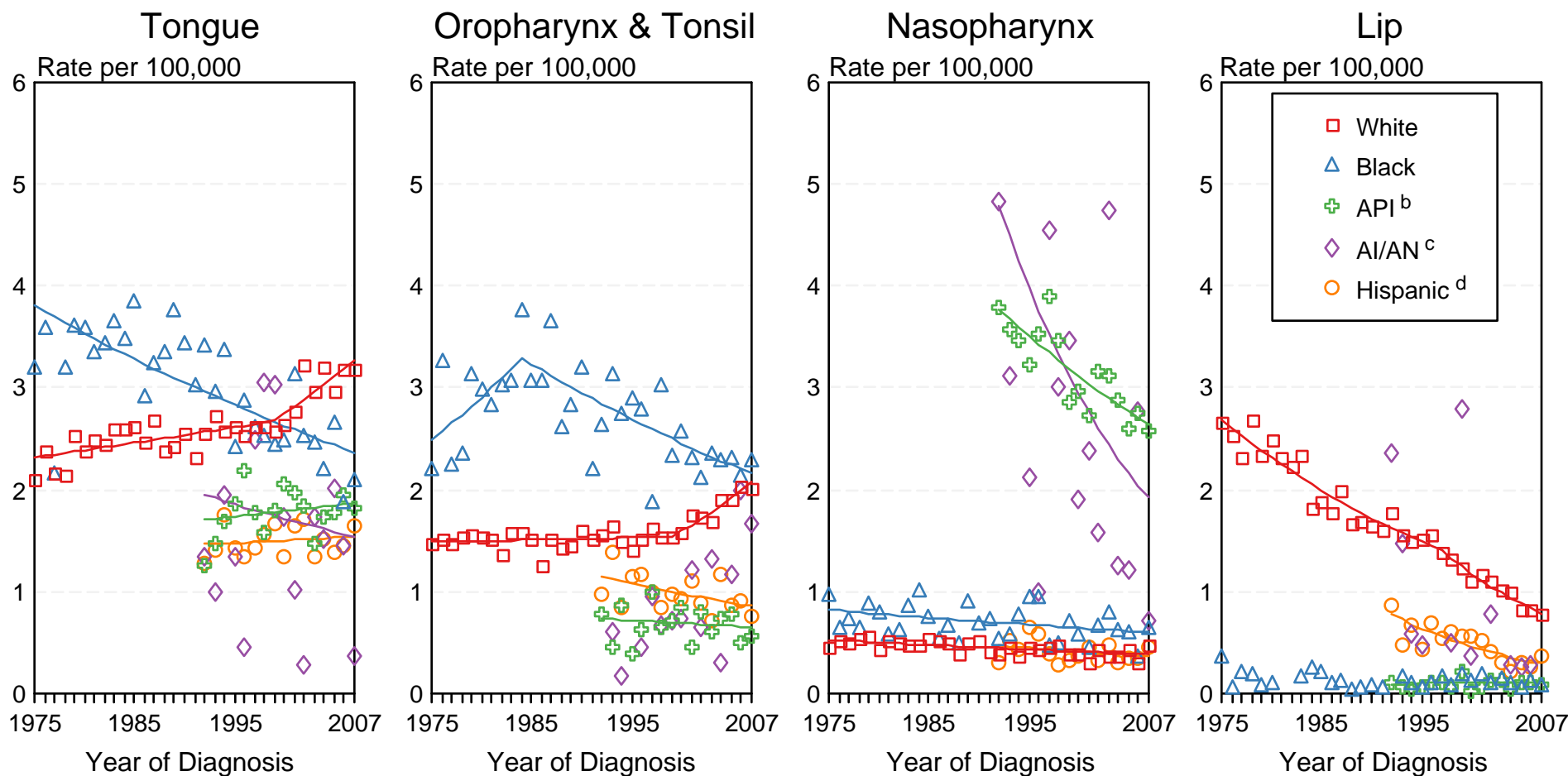


Figure XX-3

Source: Incidence data for whites and blacks are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta). Incidence data for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics are from the SEER 13 Areas (SEER 9 Areas, San Jose-Monterey, Los Angeles, Alaska Native Registry and Rural Georgia).

<sup>a</sup> Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).

Regression lines are calculated using the Joinpoint Regression Program Version 3.4.3, April 2010, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2007 period allow a maximum of 4 joinpoints. Analyses for other ethnic groups during the period 1992-2007 allow a maximum of 2 joinpoints. Regression lines could not be calculated for data series that had at least one diagnosis year with a 0 case count.

<sup>b</sup> API = Asian/Pacific Islander.

<sup>c</sup> AI/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the CHSDA (Contract Health Service Delivery Area) counties.

<sup>d</sup> Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry.

Table 21.11  
Cancer of the Ovary (Invasive)

SEER Incidence and U.S. Mortality  
Age-Adjusted Rates and Trends<sup>a</sup>  
By Race/Ethnicity and Sex

SEER Incidence	SEER 17 Areas <sup>b</sup>	SEER 13 Areas <sup>b</sup>	SEER 9 Areas <sup>b</sup>
	Rate 2003-2007	Trend 1998-2007 <sup>c</sup>	Trend 1998-2007 <sup>d</sup>
	Rate per 100,000 persons	AAPC (%)	AAPC (%)
RACE/ETHNICITY	Females	Females	Females
All Races	12.9	-1.5*	-1.7*
White	13.5	-1.7*	-1.9*
White Hispanic <sup>e</sup>	11.3	-0.9	-
White Non-Hispanic <sup>e</sup>	13.9	-1.6*	-
Black	10.2	-0.5	-0.5*
Asian/Pacific Islander	9.8	0.0	-
Amer Ind/Alaska Nat <sup>f</sup>	10.9	-	-
Hispanic <sup>e</sup>	11.0	-0.7	-

U.S. Mortality <sup>g</sup>	Rate 2003-2007	Trend 1998-2007 <sup>h</sup>
	Rate per 100,000 persons	AAPC (%)
	Females	Females
RACE/ETHNICITY		
All Races		
White		
White Hispanic <sup>e</sup>		
White Non-Hispanic <sup>e</sup>		
Black		
Asian/Pacific Islander		
Amer Ind/Alaska Nat		
Total U.S.		
CHSDA Counties		
Non-CHSDA Counties		
Hispanic <sup>e</sup>		

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 3.4.3, April 2010, National Cancer Institute.

- Statistic not shown. Rate based on less than 16 cases for the time interval.

Trend based on less than 10 cases for at least one year within the time interval.

<sup>a</sup> Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

<sup>b</sup> The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 13 areas comprise the SEER 9 areas plus San Jose-Monterey, Los Angeles, the Alaska Native Registry and Rural Georgia.

The SEER 17 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey.

<sup>c</sup> The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 2 Joinpoints over diagnosis years 1992-2007.

<sup>d</sup> The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 4 Joinpoints over diagnosis years 1975-2007.

<sup>e</sup> Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The 2003-2007 Hispanic and Non-Hispanic death rates exclude deaths from the District of Columbia, Minnesota, New Hampshire and North Dakota. The 1998-2007 Hispanic and Non-Hispanic mortality trends exclude deaths from Connecticut, the District of Columbia, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma and Vermont.

<sup>f</sup> Incidence data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

<sup>g</sup> US Mortality Files, National Center for Health Statistics, CDC.

<sup>h</sup> The 1998-2007 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2007.

\* The APC is significantly different from zero (p<.05).

# SEER Incidence and US Death Rates<sup>a</sup> Cancer of the Ovary

Joinpoint Analyses for Whites and Blacks from 1975-2007  
and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2007

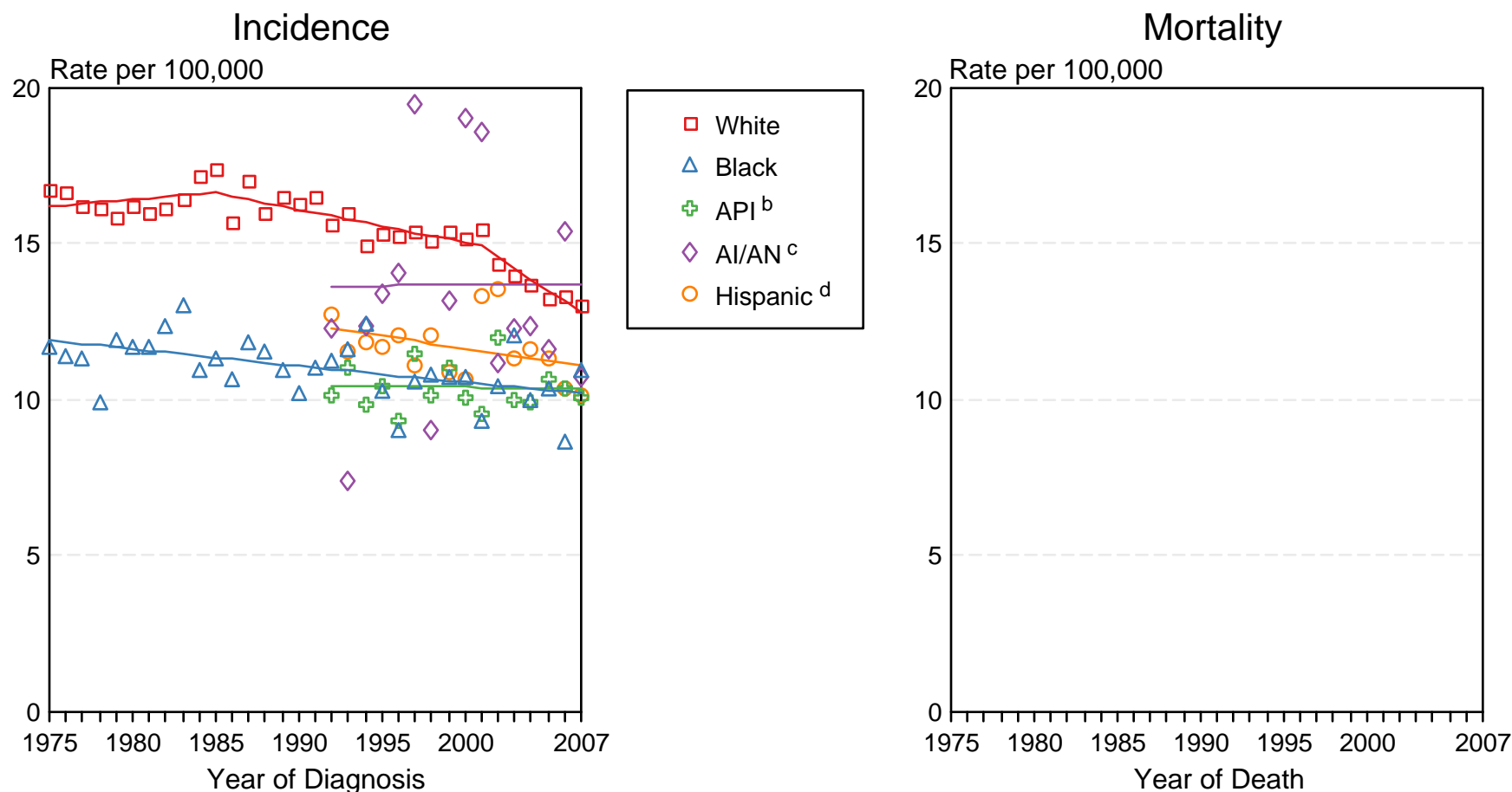


Figure 11.3

Source: Incidence data for whites and blacks are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta). Incidence data for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics are from the SEER 13 Areas (SEER 9 Areas, San Jose-Monterey, Los Angeles, Alaska Native Registry and Rural Georgia). Ovary excludes borderline cases or histologies 8442, 8451, 8462, 8472, and 8473. Mortality data are from US Mortality Files, National Center for Health Statistics, CDC.

<sup>a</sup> Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).

Regression lines are calculated using the Joinpoint Regression Program Version 3.4.3, April 2010, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2007 period allow a maximum of 4 joinpoints. Analyses for other ethnic groups during the period 1992-2007 allow a maximum of 2 joinpoints.

<sup>b</sup> API = Asian/Pacific Islander.

<sup>c</sup> AI/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

<sup>d</sup> Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. Mortality data for Hispanics exclude cases from Connecticut, the District of Columbia, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma, and Vermont.

Table 22.15  
Cancer of the Pancreas (Invasive)

SEER Incidence and U.S. Mortality  
Age-Adjusted Rates and Trends<sup>a</sup>  
By Race/Ethnicity and Sex

SEER Incidence	SEER 17 Areas <sup>b</sup>			SEER 13 Areas <sup>b</sup>			SEER 9 Areas <sup>b</sup>		
	Rate 2003-2007			Trend 1998-2007 <sup>c</sup>			Trend 1998-2007 <sup>d</sup>		
	Rate per 100,000 persons			AAPC (%)			AAPC (%)		
RACE/ETHNICITY	Total	Males	Females	Total	Males	Females	Total	Males	Females
All Races	11.7	13.3	10.5	0.4*	0.2*	0.4*	0.7*	0.6*	0.9*
White	11.6	13.2	10.3	0.5*	0.5*	0.5*	0.8*	0.8*	1.1*
White Hispanic <sup>e</sup>	10.7	11.3	10.2	0.0	-0.1	0.1	-	-	-
White Non-Hispanic <sup>e</sup>	11.8	13.5	10.3	0.6*	0.6*	0.5*	-	-	-
Black	15.5	16.7	14.4	-0.8*	-1.2*	-0.6	-0.3*	-0.7*	0.0
Asian/Pacific Islander	9.1	10.2	8.3	0.2	-0.5	0.9*	-	-	-
Amer Ind/Alaska Nat <sup>f</sup>	10.3	10.6	10.1	-	-	-	-	-	-
Hispanic <sup>e</sup>	10.5	10.9	10.1	0.1	0.0	0.2	-	-	-

U.S. Mortality <sup>g</sup>	Rate 2003-2007			Trend 1998-2007 <sup>h</sup>		
	Rate per 100,000 persons			AAPC (%)		
	Total	Males	Females	Total	Males	Females
RACE/ETHNICITY						
All Races						
White						
White Hispanic <sup>e</sup>						
White Non-Hispanic <sup>e</sup>						
Black						
Asian/Pacific Islander						
Amer Ind/Alaska Nat						
Total U.S.						
CHSDA Counties						
Non-CHSDA Counties						
Hispanic <sup>e</sup>						

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 3.4.3, April 2010, National Cancer Institute.

- Statistic not shown. Rate based on less than 16 cases for the time interval.

Trend based on less than 10 cases for at least one year within the time interval.

<sup>a</sup> Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

<sup>b</sup> The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 13 areas comprise the SEER 9 areas plus San Jose-Monterey, Los Angeles, the Alaska Native Registry and Rural Georgia.

The SEER 17 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey.

<sup>c</sup> The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 2 Joinpoints over diagnosis years 1992-2007.

<sup>d</sup> The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 4 Joinpoints over diagnosis years 1975-2007.

<sup>e</sup> Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The 2003-2007 Hispanic and Non-Hispanic death rates exclude deaths from the District of Columbia, Minnesota, New Hampshire and North Dakota. The 1998-2007 Hispanic and Non-Hispanic mortality trends exclude deaths from Connecticut, the District of Columbia, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma and Vermont.

<sup>f</sup> Incidence data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

<sup>g</sup> US Mortality Files, National Center for Health Statistics, CDC.

<sup>h</sup> The 1998-2007 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2007.

\* The APC is significantly different from zero (p<.05).

# SEER Incidence and US Death Rates<sup>a</sup> Cancer of the Pancreas, Both Sexes

Joinpoint Analyses for Whites and Blacks from 1975-2007  
and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2007

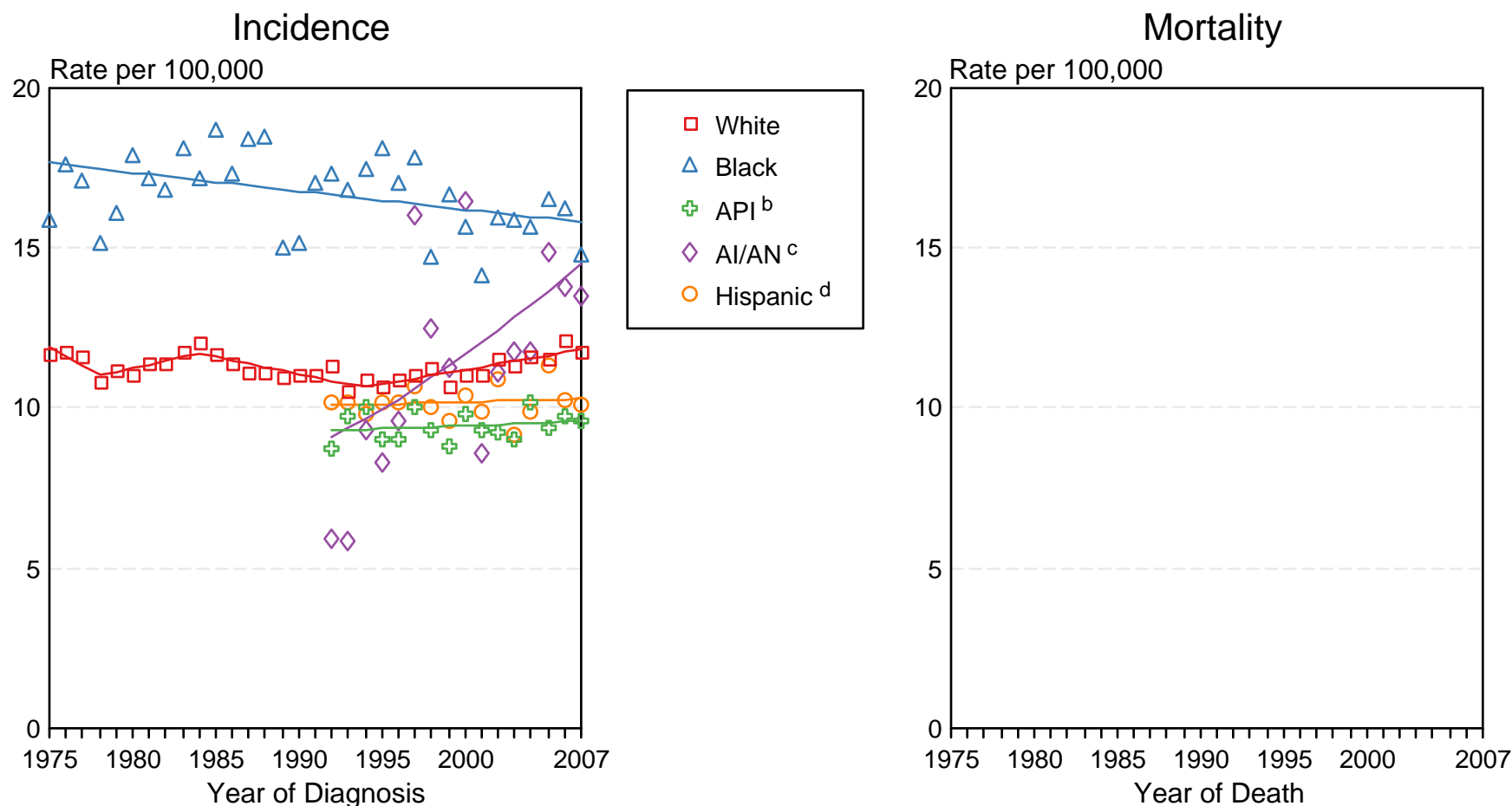


Figure 22.2

Source: Incidence data for whites and blacks are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta).

Incidence data for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics are from the SEER 13 Areas (SEER 9 Areas, San Jose-Monterey, Los Angeles, Alaska Native Registry and Rural Georgia). Mortality data are from US Mortality Files, National Center for Health Statistics, CDC.

<sup>a</sup> Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).

Regression lines are calculated using the Joinpoint Regression Program Version 3.4.3, April 2010, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2007 period allow a maximum of 4 joinpoints. Analyses for other ethnic groups during the period 1992-2007 allow a maximum of 2 joinpoints.

<sup>b</sup> API = Asian/Pacific Islander.

<sup>c</sup> AI/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the CHSDA (Contract Health Service Delivery Area) counties.

<sup>d</sup> Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. Mortality data for Hispanics exclude cases from Connecticut, the District of Columbia, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma, and Vermont.

Table 23.11  
Cancer of the Prostate (Invasive)

SEER Incidence and U.S. Mortality  
Age-Adjusted Rates and Trends<sup>a</sup>  
By Race/Ethnicity

<u>SEER Incidence</u>	SEER 17 Areas <sup>b</sup> Rate 2003-2007 Rate per 100,000 persons	SEER 13 Areas <sup>b</sup> Trend 1998-2007 <sup>c</sup> AAPC (%)	SEER 9 Areas <sup>b</sup> Trend 1998-2007 <sup>d</sup> AAPC (%)
	Males	Males	Males
RACE/ETHNICITY			
All Races	156.9	-1.4*	-1.1*
White	150.4	-1.5*	-1.3*
White Hispanic <sup>e</sup>	124.5	-2.8*	-
White Non-Hispanic <sup>e</sup>	154.4	-1.4*	-
Black	234.6	-2.6*	-2.1*
Asian/Pacific Islander	90.0	-0.6	-
Amer Ind/Alaska Nat <sup>f</sup>	77.7	-2.3*	-
Hispanic <sup>e</sup>	125.8	-2.3*	-

<u>U.S. Mortality<sup>g</sup></u>	Rate 2003-2007 Rate per 100,000 persons	Trend 1998-2007 <sup>h</sup> AAPC (%)
	Males	Males
RACE/ETHNICITY		
All Races		
White		
White Hispanic <sup>e</sup>		
White Non-Hispanic <sup>e</sup>		
Black		
Asian/Pacific Islander		
Amer Ind/Alaska Nat		
Total U.S.		
CHSDA Counties		
Non-CHSDA Counties		
Hispanic <sup>e</sup>		

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 3.4.3, April 2010, National Cancer Institute.

- Statistic not shown. Rate based on less than 16 cases for the time interval.

Trend based on less than 10 cases for at least one year within the time interval.

<sup>a</sup> Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

<sup>b</sup> The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 13 areas comprise the SEER 9 areas plus San Jose-Monterey, Los Angeles, the Alaska Native Registry and Rural Georgia.

The SEER 17 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey.

<sup>c</sup> The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 2 Joinpoints over diagnosis years 1992-2007.

<sup>d</sup> The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 4 Joinpoints over diagnosis years 1975-2007.

<sup>e</sup> Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The 2003-2007 Hispanic and Non-Hispanic death rates exclude deaths from the District of Columbia, Minnesota, New Hampshire and North Dakota. The 1998-2007 Hispanic and Non-Hispanic mortality trends exclude deaths from Connecticut, the District of Columbia, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma and Vermont.

<sup>f</sup> Incidence data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

<sup>g</sup> US Mortality Files, National Center for Health Statistics, CDC.

<sup>h</sup> The 1998-2007 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2007.

\* The APC is significantly different from zero (p<.05).

# SEER Incidence and US Death Rates<sup>a</sup> Cancer of the Prostate

Joinpoint Analyses for Whites and Blacks from 1975-2007  
and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2007

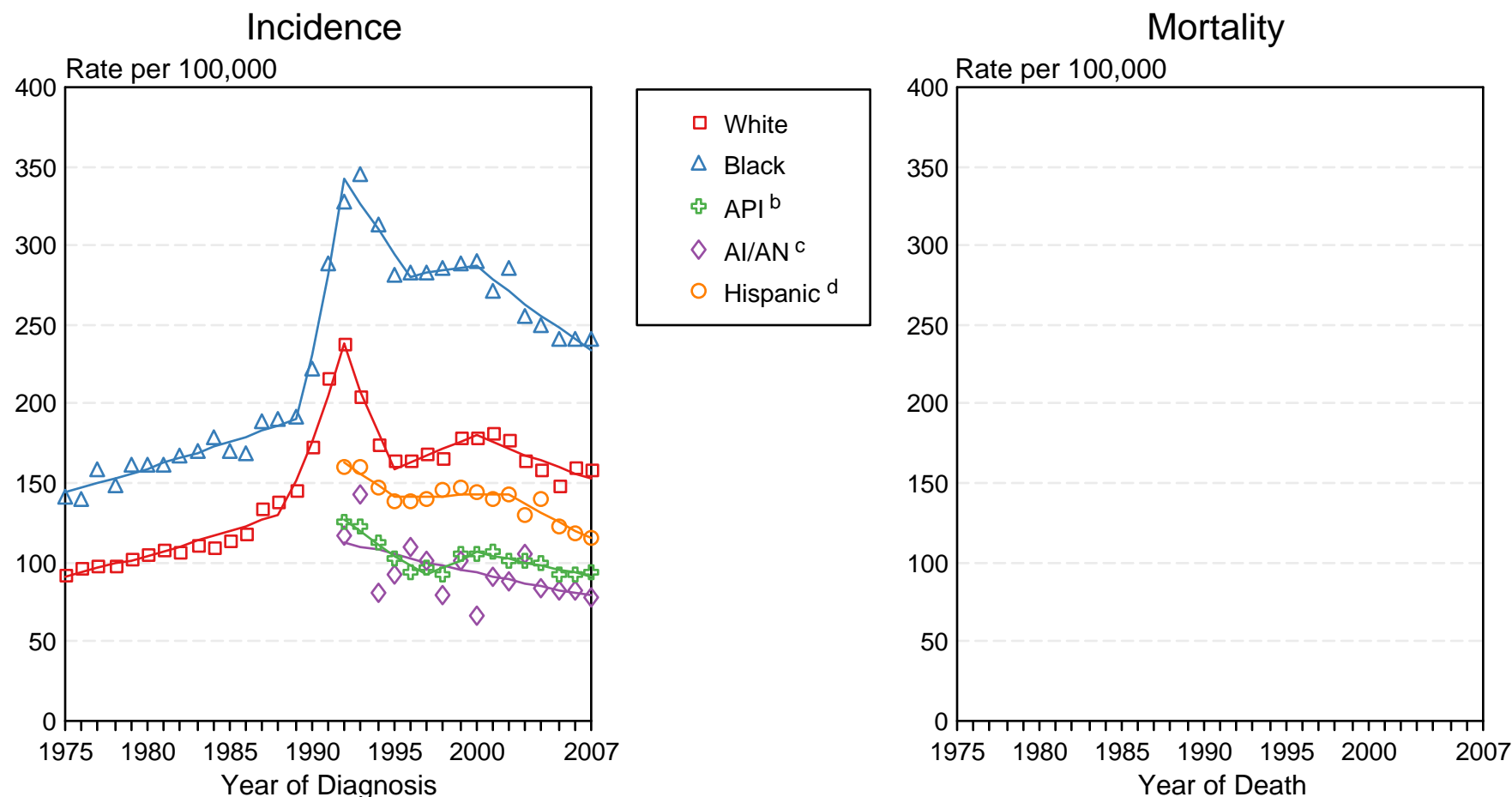


Figure 23.3

Source: Incidence data for whites and blacks are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta). Incidence data for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics are from the SEER 13 Areas (SEER 9 Areas, San Jose-Monterey, Los Angeles, Alaska Native Registry and Rural Georgia). Mortality data are from US Mortality Files, National Center for Health Statistics, CDC.

<sup>a</sup> Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).

Regression lines are calculated using the Joinpoint Regression Program Version 3.4.3, April 2010, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2007 period allow a maximum of 4 joinpoints. Analyses for other ethnic groups during the period 1992-2007 allow a maximum of 2 joinpoints.

<sup>b</sup> API = Asian/Pacific Islander.

<sup>c</sup> AI/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

<sup>d</sup> Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. Mortality data for Hispanics exclude cases from Connecticut, the District of Columbia, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma, and Vermont.

Table 24.15  
Cancer of the Stomach (Invasive)

SEER Incidence and U.S. Mortality  
Age-Adjusted Rates and Trends<sup>a</sup>  
By Race/Ethnicity and Sex

SEER Incidence	SEER 17 Areas <sup>b</sup>			SEER 13 Areas <sup>b</sup>			SEER 9 Areas <sup>b</sup>		
	Rate 2003-2007			Trend 1998-2007 <sup>c</sup>			Trend 1998-2007 <sup>d</sup>		
	Rate per 100,000 persons			AAPC (%)			AAPC (%)		
RACE/ETHNICITY	Total	Males	Females	Total	Males	Females	Total	Males	Females
All Races	7.8	10.9	5.5	-1.4*	-1.9*	-0.9*	-1.6*	-2.0*	-1.6*
White	6.8	9.6	4.7	-1.4*	-2.0*	-0.9*	-1.9*	-1.9*	-2.0*
White Hispanic <sup>e</sup>	11.8	15.2	9.3	-1.7*	-2.5*	-0.9*	-	-	-
White Non-Hispanic <sup>e</sup>	6.1	8.8	3.9	-1.9*	-2.2*	-1.7*	-	-	-
Black	11.9	16.7	8.6	-1.9*	-2.4*	-1.4*	-1.8*	-2.1*	-1.0*
Asian/Pacific Islander	13.2	17.5	10.0	-3.1*	-3.0*	-2.9*	-	-	-
Amer Ind/Alaska Nat <sup>f</sup>	10.9	15.5	7.3	0.4	0.2	-	-	-	-
Hispanic <sup>e</sup>	11.6	14.8	9.1	-1.6*	-2.4*	-0.7*	-	-	-

U.S. Mortality <sup>g</sup>	Rate 2003-2007			Trend 1998-2007 <sup>h</sup>		
	Rate per 100,000 persons			AAPC (%)		
	Total	Males	Females	Total	Males	Females
RACE/ETHNICITY						
All Races						
White						
White Hispanic <sup>e</sup>						
White Non-Hispanic <sup>e</sup>						
Black						
Asian/Pacific Islander						
Amer Ind/Alaska Nat						
Total U.S.						
CHSDA Counties						
Non-CHSDA Counties						
Hispanic <sup>e</sup>						

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 3.4.3, April 2010, National Cancer Institute.

- Statistic not shown. Rate based on less than 16 cases for the time interval.

Trend based on less than 10 cases for at least one year within the time interval.

<sup>a</sup> Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

<sup>b</sup> The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 13 areas comprise the SEER 9 areas plus San Jose-Monterey, Los Angeles, the Alaska Native Registry and Rural Georgia.

The SEER 17 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey.

<sup>c</sup> The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 2 Joinpoints over diagnosis years 1992-2007.

<sup>d</sup> The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 4 Joinpoints over diagnosis years 1975-2007.

<sup>e</sup> Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The 2003-2007 Hispanic and Non-Hispanic death rates exclude deaths from the District of Columbia, Minnesota, New Hampshire and North Dakota. The 1998-2007 Hispanic and Non-Hispanic mortality trends exclude deaths from Connecticut, the District of Columbia, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma and Vermont.

<sup>f</sup> Incidence data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

<sup>g</sup> US Mortality Files, National Center for Health Statistics, CDC.

<sup>h</sup> The 1998-2007 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2007.

\* The APC is significantly different from zero (p<.05).

# SEER Incidence and US Death Rates<sup>a</sup> Cancer of the Stomach, Both Sexes

Joinpoint Analyses for Whites and Blacks from 1975-2007

and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2007

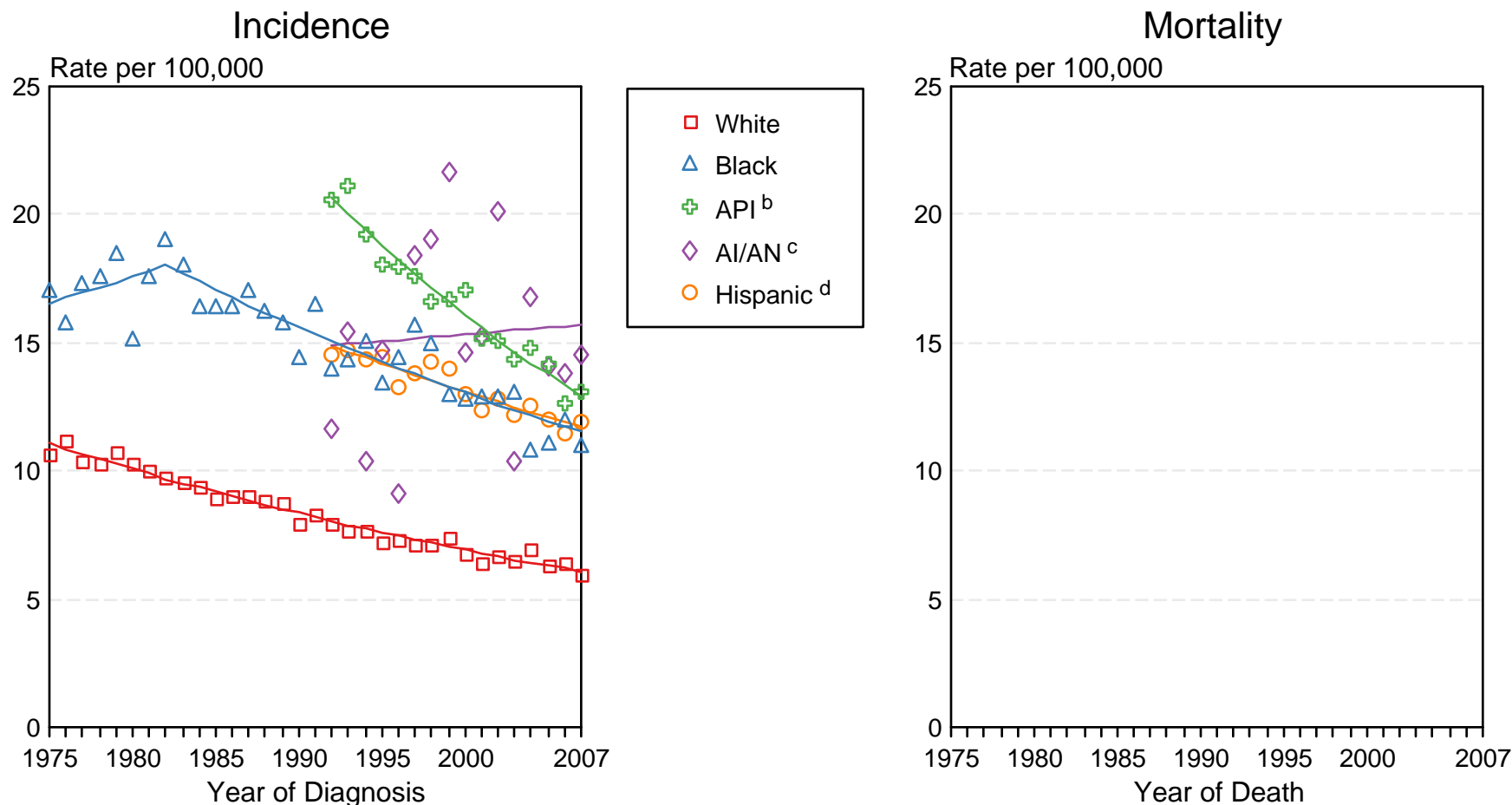


Figure 24.2

Source: Incidence data for whites and blacks are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta).

Incidence data for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics are from the SEER 13 Areas (SEER 9 Areas, San Jose-Monterey, Los Angeles, Alaska Native Registry and Rural Georgia). Mortality data are from US Mortality Files, National Center for Health Statistics, CDC.

<sup>a</sup> Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).

Regression lines are calculated using the Joinpoint Regression Program Version 3.4.3, April 2010, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2007 period allow a maximum of 4 joinpoints. Analyses for other ethnic groups during the period 1992-2007 allow a maximum of 2 joinpoints.

<sup>b</sup> API = Asian/Pacific Islander.

<sup>c</sup> AI/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the CHSDA (Contract Health Service Delivery Area) counties.

<sup>d</sup> Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. Mortality data for Hispanics exclude cases from Connecticut, the District of Columbia, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma, and Vermont.

Table 25.11  
Cancer of the Testis (Invasive)

SEER Incidence and U.S. Mortality  
Age-Adjusted Rates and Trends<sup>a</sup>  
By Race/Ethnicity

SEER Incidence	SEER 17 Areas <sup>b</sup>	SEER 13 Areas <sup>b</sup>	SEER 9 Areas <sup>b</sup>
	Rate 2003-2007	Trend 1998-2007 <sup>c</sup>	Trend 1998-2007 <sup>d</sup>
	Rate per 100,000 persons	AAPC (%)	AAPC (%)
	Males	Males	Males
RACE/ETHNICITY			
All Races	5.4	1.1*	0.8*
White	6.4	1.3*	1.0*
White Hispanic <sup>e</sup>	4.2	2.0*	-
White Non-Hispanic <sup>e</sup>	7.2	1.6*	-
Black	1.2	-0.5	2.1*
Asian/Pacific Islander	1.8	1.0	-
Amer Ind/Alaska Nat <sup>f</sup>	4.3	-	-
Hispanic <sup>e</sup>	4.0	3.2*	-

U.S. Mortality <sup>g</sup>	Rate 2003-2007	Trend 1998-2007 <sup>h</sup>
	Rate per 100,000 persons	AAPC (%)
	Males	Males
RACE/ETHNICITY		
All Races		
White		
White Hispanic <sup>e</sup>		
White Non-Hispanic <sup>e</sup>		
Black		
Asian/Pacific Islander		
Amer Ind/Alaska Nat		
Total U.S.		
CHSDA Counties		
Non-CHSDA Counties		
Hispanic <sup>e</sup>		

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 3.4.3, April 2010, National Cancer Institute.

- Statistic not shown. Rate based on less than 16 cases for the time interval.

Trend based on less than 10 cases for at least one year within the time interval.

<sup>a</sup> Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

<sup>b</sup> The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 13 areas comprise the SEER 9 areas plus San Jose-Monterey, Los Angeles, the Alaska Native Registry and Rural Georgia.

The SEER 17 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey.

<sup>c</sup> The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 2 Joinpoints over diagnosis years 1992-2007.

<sup>d</sup> The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 4 Joinpoints over diagnosis years 1975-2007.

<sup>e</sup> Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The 2003-2007 Hispanic and Non-Hispanic death rates exclude deaths from the District of Columbia, Minnesota, New Hampshire and North Dakota. The 1998-2007 Hispanic and Non-Hispanic mortality trends exclude deaths from Connecticut, the District of Columbia, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma and Vermont.

<sup>f</sup> Incidence data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

<sup>g</sup> US Mortality Files, National Center for Health Statistics, CDC.

<sup>h</sup> The 1998-2007 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2007.

\* The APC is significantly different from zero (p<.05).

# SEER Incidence and US Death Rates<sup>a</sup> Cancer of the Testis

Joinpoint Analyses for Whites and Blacks from 1975-2007  
and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2007

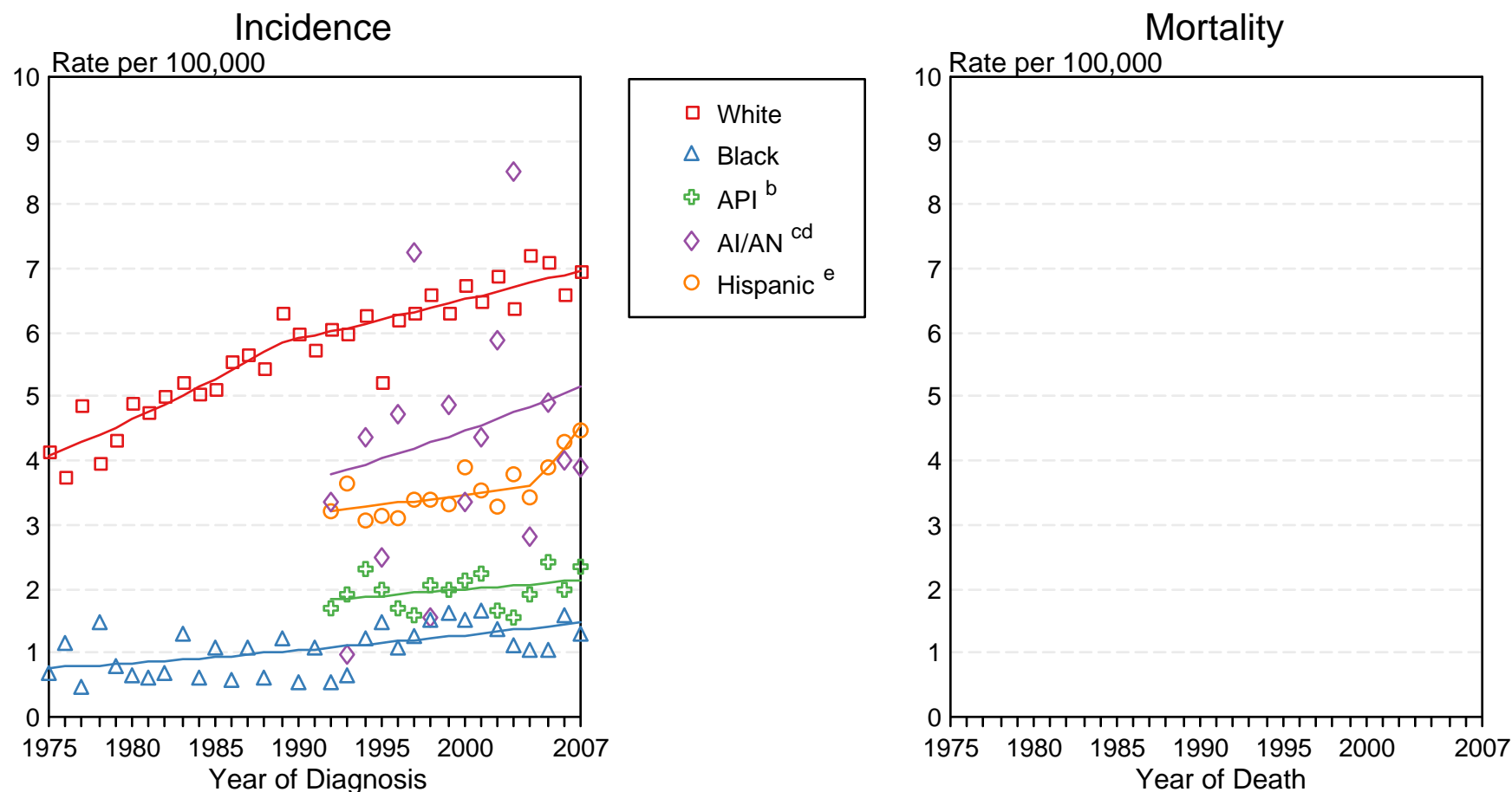


Figure 25.3

Source: Incidence data for whites and blacks are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta). Incidence data for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics are from the SEER 13 Areas (SEER 9 Areas, San Jose-Monterey, Los Angeles, Alaska Native Registry and Rural Georgia). Mortality data are from US Mortality Files, National Center for Health Statistics, CDC.

<sup>a</sup> Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).

Regression lines are calculated using the Joinpoint Regression Program Version 3.4.3, April 2010, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2007 period allow a maximum of 4 joinpoints. Analyses for other ethnic groups during the period 1992-2007 allow a maximum of 2 joinpoints.

<sup>b</sup> API = Asian/Pacific Islander.

<sup>c</sup> AI/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the CHSDA (Contract Health Service Delivery Area) counties.

<sup>d</sup> Joinpoint could not fit a regression line for American Indian/Alaska Native Mortality due to insufficient data.

<sup>e</sup> Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. Mortality data for Hispanics exclude cases from Connecticut, the District of Columbia, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma, and Vermont.

Table 26.15  
Cancer of the Thyroid (Invasive)

SEER Incidence and U.S. Mortality  
Age-Adjusted Rates and Trends<sup>a</sup>  
By Race/Ethnicity and Sex

SEER Incidence	SEER 17 Areas <sup>b</sup>			SEER 13 Areas <sup>b</sup>			SEER 9 Areas <sup>b</sup>		
	Rate 2003-2007			Trend 1998-2007 <sup>c</sup>			Trend 1998-2007 <sup>d</sup>		
	Rate per 100,000 persons			AAPC (%)			AAPC (%)		
RACE/ETHNICITY	Total	Males	Females	Total	Males	Females	Total	Males	Females
All Races	10.2	5.2	15.2	6.1*	4.9*	6.4*	6.3*	5.6*	6.4*
White	10.7	5.5	16.0	6.3*	5.1*	6.7*	6.7*	5.7*	6.9*
White Hispanic <sup>e</sup>	8.6	3.7	13.6	4.5*	2.6*	5.7*	-	-	-
White Non-Hispanic <sup>e</sup>	11.5	6.0	16.9	6.6*	5.8*	6.6*	-	-	-
Black	6.2	3.0	8.9	6.5*	5.4*	7.2*	4.6*	2.4*	5.1*
Asian/Pacific Islander	10.1	4.4	15.2	4.6*	1.7*	4.8*	-	-	-
Amer Ind/Alaska Nat <sup>f</sup>	5.8	3.1	8.5	2.1	-	-	-	-	-
Hispanic <sup>e</sup>	8.4	3.6	13.3	4.6*	2.8*	5.7*	-	-	-

U.S. Mortality <sup>g</sup>	Rate 2003-2007			Trend 1998-2007 <sup>h</sup>		
	Rate per 100,000 persons			AAPC (%)		
	Total	Males	Females	Total	Males	Females
RACE/ETHNICITY						
All Races						
White						
White Hispanic <sup>e</sup>						
White Non-Hispanic <sup>e</sup>						
Black						
Asian/Pacific Islander						
Amer Ind/Alaska Nat						
Total U.S.						
CHSDA Counties						
Non-CHSDA Counties						
Hispanic <sup>e</sup>						

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 3.4.3, April 2010, National Cancer Institute.

- Statistic not shown. Rate based on less than 16 cases for the time interval.

Trend based on less than 10 cases for at least one year within the time interval.

<sup>a</sup> Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

<sup>b</sup> The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 13 areas comprise the SEER 9 areas plus San Jose-Monterey, Los Angeles, the Alaska Native Registry and Rural Georgia.

The SEER 17 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey.

<sup>c</sup> The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 2 Joinpoints over diagnosis years 1992-2007.

<sup>d</sup> The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 4 Joinpoints over diagnosis years 1975-2007.

<sup>e</sup> Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The 2003-2007 Hispanic and Non-Hispanic death rates exclude deaths from the District of Columbia, Minnesota, New Hampshire and North Dakota. The 1998-2007 Hispanic and Non-Hispanic mortality trends exclude deaths from Connecticut, the District of Columbia, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma and Vermont.

<sup>f</sup> Incidence data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

<sup>g</sup> US Mortality Files, National Center for Health Statistics, CDC.

<sup>h</sup> The 1998-2007 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2007.

\* The APC is significantly different from zero (p<.05).

SEER Incidence and US Death Rates<sup>a</sup>

## Cancer of the Thyroid, Both Sexes

Joinpoint Analyses for Whites and Blacks from 1975-2007

and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2007

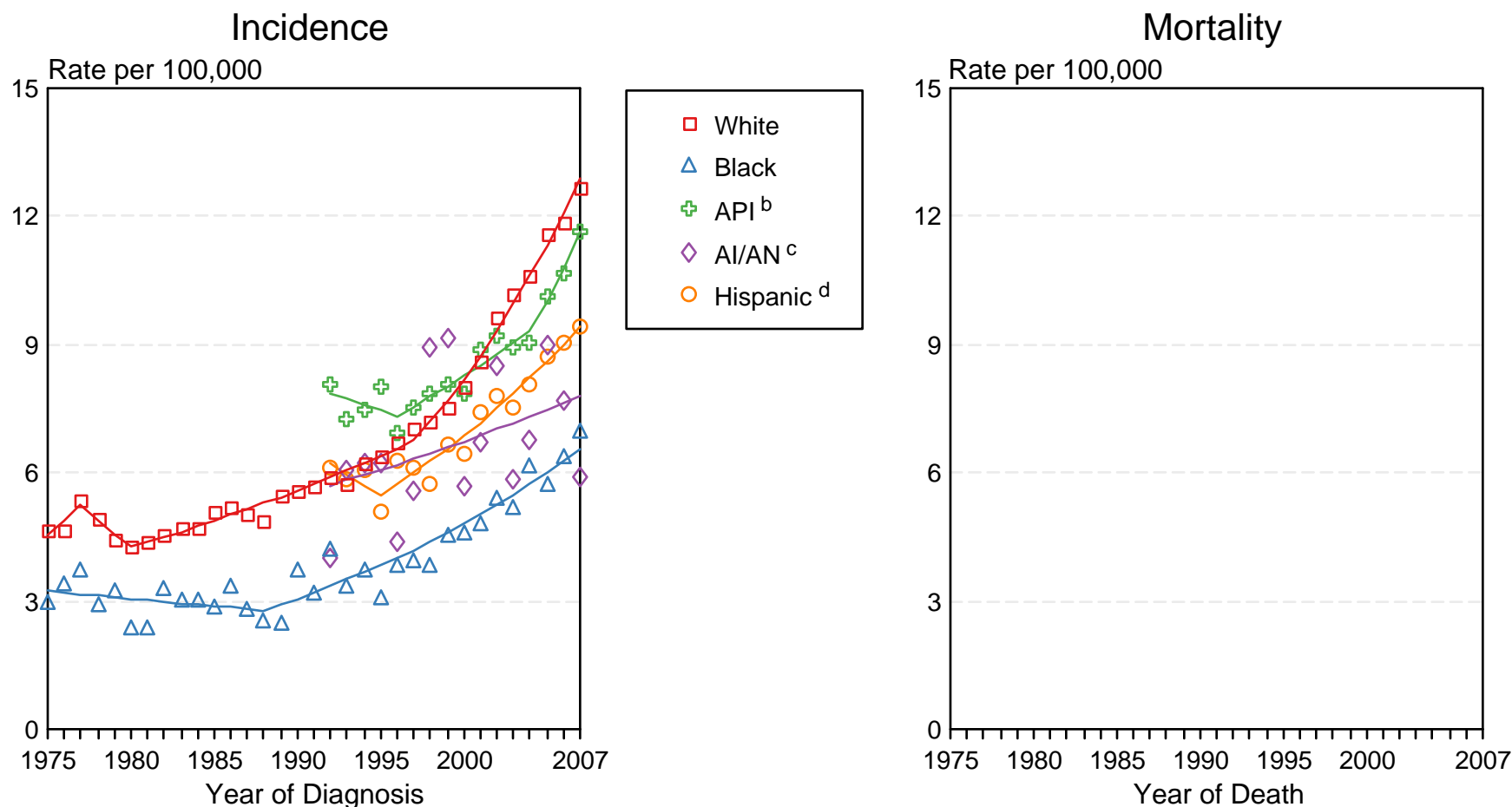


Figure 26.2

Source: Incidence data for whites and blacks are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta).

Incidence data for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics are from the SEER 13 Areas (SEER 9 Areas, San Jose-Monterey, Los Angeles, Alaska Native Registry and Rural Georgia). Mortality data are from US Mortality Files, National Center for Health Statistics, CDC.

<sup>a</sup> Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).

Regression lines are calculated using the Joinpoint Regression Program Version 3.4.3, April 2010, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2007 period allow a maximum of 4 joinpoints. Analyses for other ethnic groups during the period 1992-2007 allow a maximum of 2 joinpoints.

<sup>b</sup> API = Asian/Pacific Islander.

<sup>c</sup> AI/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the CHSDA (Contract Health Service Delivery Area) counties.

<sup>d</sup> Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. Mortality data for Hispanics exclude cases from Connecticut, the District of Columbia, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma, and Vermont.

Table 27.15  
Cancer of the Urinary Bladder

SEER Incidence (Invasive and *In Situ*) and U.S. Mortality  
Age-Adjusted Rates and Trends<sup>a</sup>  
By Race/Ethnicity and Sex

SEER Incidence	SEER 17 Areas <sup>b</sup> Rate 2003-2007			SEER 13 Areas <sup>b</sup> Trend 1998-2007 <sup>c</sup> AAPC (%)			SEER 9 Areas <sup>b</sup> Trend 1998-2007 <sup>d</sup> AAPC (%)		
	Rate per 100,000 persons			AAPC (%)			AAPC (%)		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
RACE/ETHNICITY									
All Races	21.1	37.2	9.2	-0.4	-0.2	-1.0*	-0.3	-0.3	-1.0*
White	22.8	40.4	9.8	-0.4	-0.1	-1.1*	-0.2	-0.3	-1.0*
White Hispanic <sup>e</sup>	11.2	19.5	5.1	-0.7*	-0.8*	-0.8	-	-	-
White Non-Hispanic <sup>e</sup>	24.5	43.2	10.5	-0.2	0.1	-0.9*	-	-	-
Black	12.8	20.7	7.6	0.3	0.1	0.6	0.2	0.1	0.4
Asian/Pacific Islander	9.1	16.0	4.0	0.1	0.6*	-0.6	-	-	-
Amer Ind/Alaska Nat <sup>f</sup>	7.7	13.3	3.2	-	-	-	-	-	-
Hispanic <sup>e</sup>	11.0	19.2	5.1	-0.5*	-0.6*	-0.7	-	-	-

U.S. Mortality <sup>g</sup>	Rate 2003-2007 Rate per 100,000 persons			Trend 1998-2007 <sup>h</sup> AAPC (%)		
	Rate per 100,000 persons			AAPC (%)		
	Total	Males	Females	Total	Males	Females
RACE/ETHNICITY						
All Races						
White						
White Hispanic <sup>e</sup>						
White Non-Hispanic <sup>e</sup>						
Black						
Asian/Pacific Islander						
Amer Ind/Alaska Nat						
Total U.S.						
CHSDA Counties						
Non-CHSDA Counties						
Hispanic <sup>e</sup>						

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 3.4.3, April 2010, National Cancer Institute.

- Statistic not shown. Rate based on less than 16 cases for the time interval.

Trend based on less than 10 cases for at least one year within the time interval.

<sup>a</sup> Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

<sup>b</sup> The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 13 areas comprise the SEER 9 areas plus San Jose-Monterey, Los Angeles, the Alaska Native Registry and Rural Georgia.

The SEER 17 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey.

<sup>c</sup> The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 2 Joinpoints over diagnosis years 1992-2007.

<sup>d</sup> The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 4 Joinpoints over diagnosis years 1975-2007.

<sup>e</sup> Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The 2003-2007 Hispanic and Non-Hispanic death rates exclude deaths from the District of Columbia, Minnesota, New Hampshire and North Dakota. The 1998-2007 Hispanic and Non-Hispanic mortality trends exclude deaths from Connecticut, the District of Columbia, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma and Vermont.

<sup>f</sup> Incidence data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

<sup>g</sup> US Mortality Files, National Center for Health Statistics, CDC.

<sup>h</sup> The 1998-2007 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2007.

\* The APC is significantly different from zero (p<.05).

# SEER Incidence and US Death Rates<sup>a</sup> Cancer of the Urinary Bladder, Both Sexes

## Joinpoint Analyses for Whites and Blacks from 1975-2007 and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2007

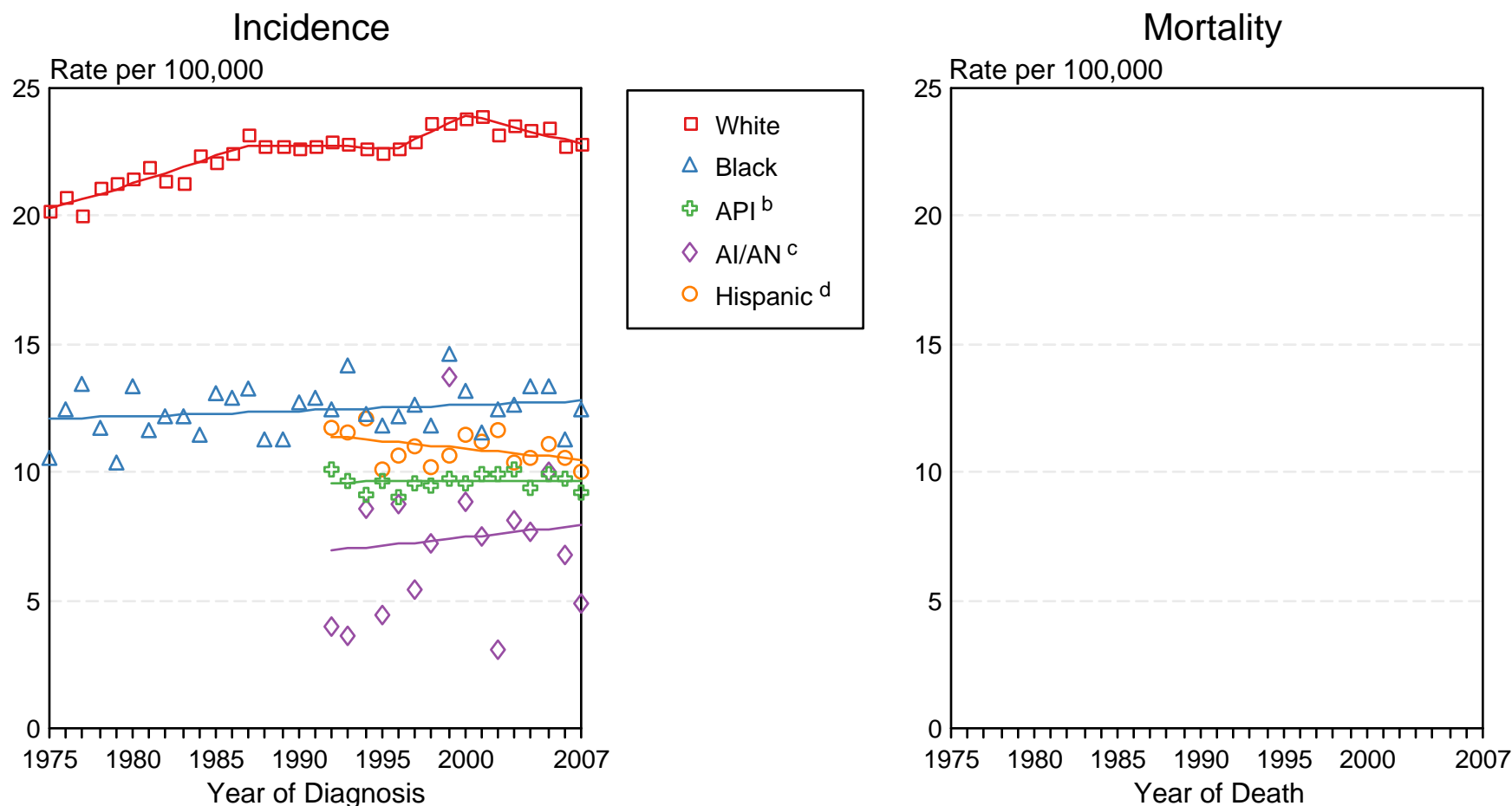


Figure 27.2

Source: Incidence data for whites and blacks are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta). Incidence data for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics are from the SEER 13 Areas (SEER 9 Areas, San Jose-Monterey, Los Angeles, Alaska Native Registry and Rural Georgia). Mortality data are from US Mortality Files, National Center for Health Statistics, CDC.

<sup>a</sup> Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).

Regression lines are calculated using the Joinpoint Regression Program Version 3.4.3, April 2010, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2007 period allow a maximum of 4 joinpoints. Analyses for other ethnic groups during the period 1992-2007 allow a maximum of 2 joinpoints.

<sup>b</sup> API = Asian/Pacific Islander.

<sup>c</sup> AI/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the CHSDA (Contract Health Service Delivery Area) counties.

<sup>d</sup> Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. Mortality data for Hispanics exclude cases from Connecticut, the District of Columbia, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma, and Vermont.

# SEER Incidence and US Death Rates<sup>a</sup>

## All Cancer Sites, Ages <20, Both Sexes

### Joinpoint Analyses for Whites and Blacks from 1975-2007

### and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2007

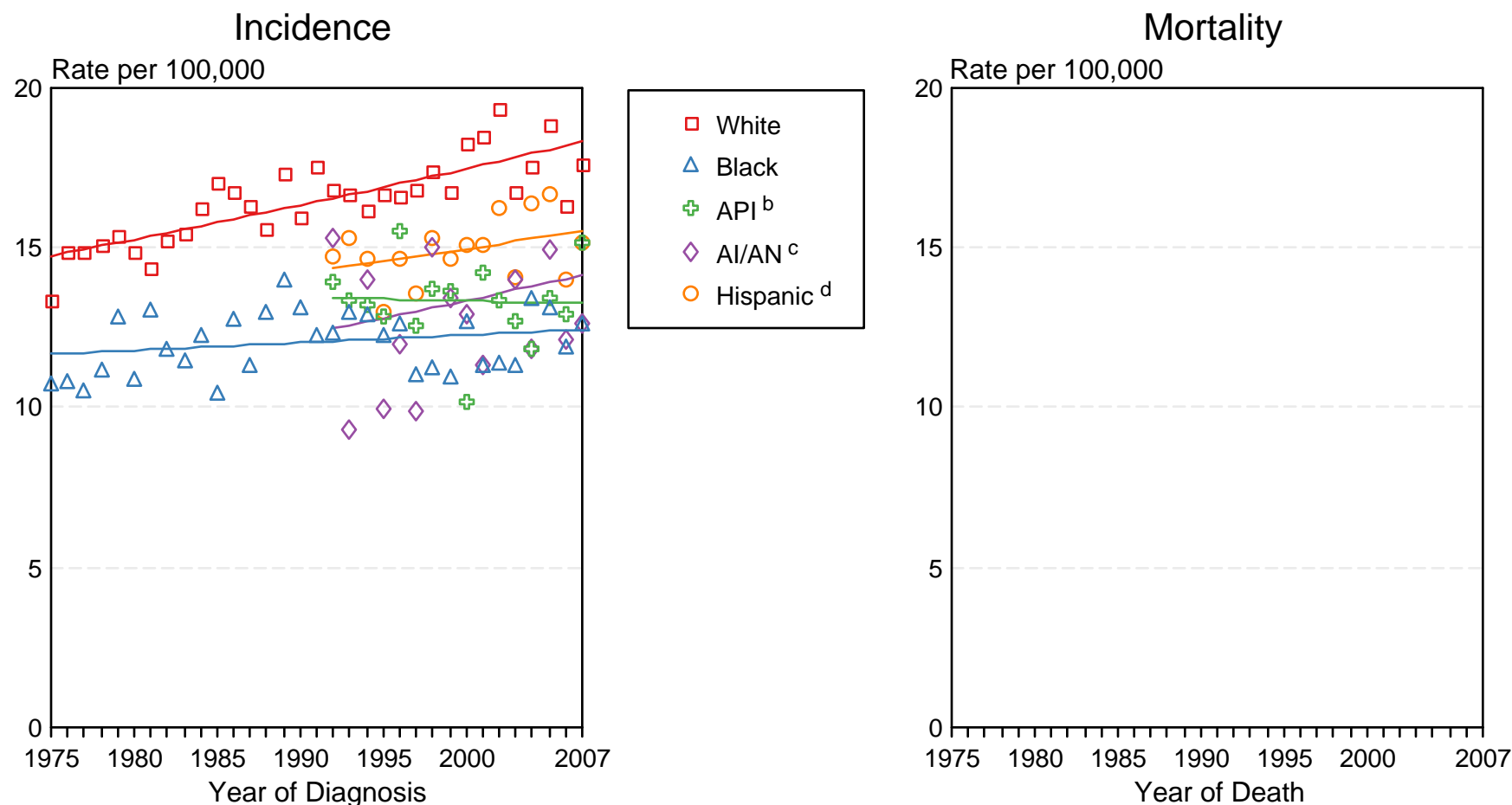


Figure 28.3

Source: Incidence data for whites and blacks are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta).

Incidence data for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics are from the SEER 13 Areas (SEER 9 Areas, San Jose-Monterey, Los Angeles, Alaska Native Registry and Rural Georgia). Mortality data are from US Mortality Files, National Center for Health Statistics, CDC.

<sup>a</sup> Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).

Regression lines are calculated using the Joinpoint Regression Program Version 3.4.3, April 2010, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2007 period allow a maximum of 4 joinpoints. Analyses for other ethnic groups during the period 1992-2007 allow a maximum of 2 joinpoints.

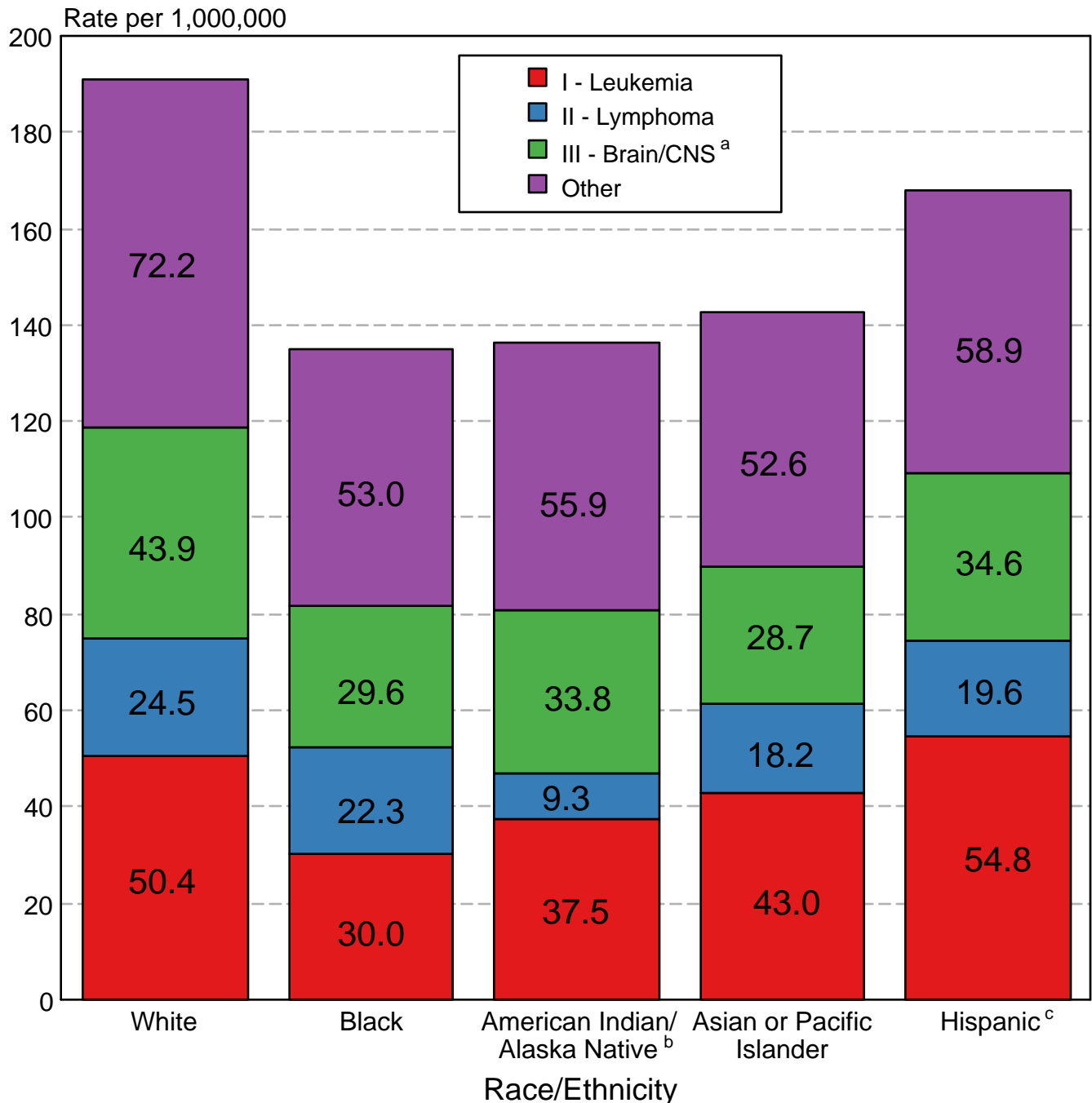
<sup>b</sup> API = Asian/Pacific Islander.

<sup>c</sup> AI/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the CHSDA (Contract Health Service Delivery Area) counties.

<sup>d</sup> Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. Mortality data for Hispanics exclude cases from Connecticut, the District of Columbia, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma, and Vermont.

Figure 29.2

**Childhood Cancer: SEER Incidence Rates 2003- 2007  
by ICCC Group (includes Group III benign brain (2004-2007)  
and myelodysplastic syndromes) and Race/Ethnicity  
Both Sexes, Under 20 Years of Age**



Source: SEER 17 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana, and New Jersey). Incidence rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130) and are not shown for fewer than 10 cases for the time period.

International Classification of Childhood Cancer is based on ICD-O-3. Steliarova-Foucher E, Stiller C, Lacour B, Kaatsch P. International Classification of Childhood Cancer, Third Edition. Cancer. April 1, 2005; Vol 103, No. 7, pg 1457-1467.

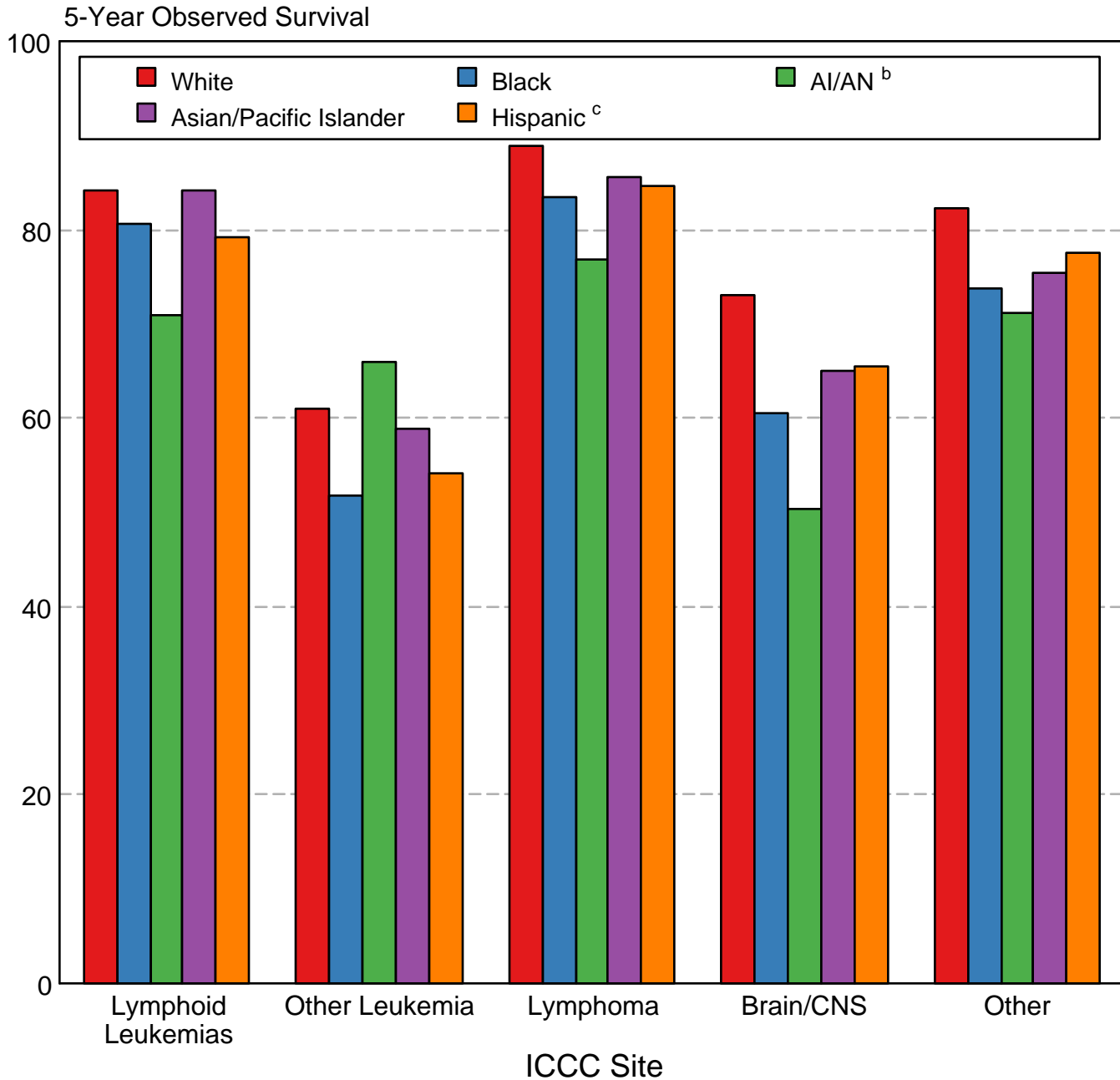
<sup>a</sup> Rate for Group III (Brain/CNS) includes benign brain tumors and is based only on cases diagnosed in 2004-2007

<sup>b</sup> Incidence rates for American Indian/Alaska Native are based on the CHSDA (Contract Health Service Delivery Area) counties.

<sup>c</sup> Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry and Kentucky.

Figure 29.3

# Childhood Cancer 5-Year Observed Survival (%) by ICCC Group<sup>a</sup> and Race/Ethnicity Both Sexes, Under 20 Years of Age, 1999-2006



Source: SEER 17 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana, and New Jersey). California excluding SF/SJM/LA, Kentucky, Louisiana, and New Jersey contribute cases for diagnosis years 2000-2006. The remaining 13 SEER Areas contribute cases for the entire period 1999-2006.

International Classification of Childhood Cancer is based on ICD-O-3. Steliarova-Foucher E, Stiller C, Lacour B, Kaatsch P. International Classification of Childhood Cancer, Third Edition. Cancer. April 1, 2006; Vol 103, No. 7, pg 1457-1467.

<sup>a</sup> Excludes myelodysplastic syndromes (MDS) and benign brain tumors.

<sup>b</sup> American Indian/Alaska Native. Survival data for American Indian/Alaska Native are based on the CHSDA (Contract Health Service Delivery Area) counties.

<sup>c</sup> Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Survival data for Hispanics are based on NHIA and excludes cases from the Alaska Native Registry and Kentucky.